

96/34888 (November 7, 1996) and (2) demonstrate diligence starting prior to these effective dates and continuing to the inventors' constructive reduction to practice of the invention.

Applicants now enclose their Rule 131 declaration for the Examiner's full consideration. Attached to the inventors' declaration are Exhibits 1 and 2. Exhibit 1 is a conception record for applicants' invention. Exhibit 2 is a supporting declaration of Dr. Krul demonstrating the inventors' diligence.

As noted in the inventors' Rule 131 declaration, they conceived the invention prior to November 7, 1996, *i.e.*, prior to the effective dates of both WO 96/39168 (December 12, 1996) and WO 96/34888 (November 7, 1996). The actual dates have been redacted from the submitted conception record. The submitted conception record shows that the inventors had a conception of the complete and operative invention of using a peptide as an immunogen, such as the C-terminal 26 amino acids of CETP conjugated to a carrier protein such as thyroglobulin or Keyhole Limpet hemocyanin, for generating an autoimmune response that neutralizes endogenous CETP. Booster injections would be given periodically after the initial immunization to generate a high titer antibody response against the peptide, which antibodies would also recognize intact endogenous plasma CETP.

As noted in the inventors' Rule 131 declaration, they also were diligent in seeking to reduce their invention to practice from a date starting prior to November 7, 1996, *i.e.*, prior to the effective dates of both WO 96/39168 (December 12, 1996) and WO 96/34888 (November 7, 1996) and proceeding continuously until the constructive reduction to practice of the application by their filing the original application on January 21, 1997. The pending application is a Continued Prosecution Application of a continuation of this original application.

The inventors' diligence is established by Exhibit 2, a declaration of Dr. Elanie Krul, which declaration is attached to the inventors' declaration.

Dr. Krul, who is not an inventor of the invention defined by the pending claims, testifies, that both she and individuals working under her direction and control, worked every day, save for weekends and Searle holidays, in an effort to reduce the invention to practice on behalf of the inventors. The work continued uninterrupted from a date starting prior to the effective dates of both WO 96/39168 (December 12, 1996) and WO 96/34888 (November 7, 1996) and proceeding through a date subsequent to the January 21, 1997 constructive reduction to practice. Dr. Krul's declaration has attached as Exhibit A the relevant pages of notebook records memorializing the work that was done during the recited time frame. Examiner Davis was shown Exhibit A during the interview. Applicants would also like to repeat the offer made at the interview to provide whatever assistance she requires to understand the contents of Exhibit A.

Applicants submit that Exhibits 1 and 2, when considered with their Rule 131 declaration, establishes prior conception and diligence to the constructive reduction to practice of their invention. As a result, neither WO 96/39168, nor WO 96/34888 can properly be cited against the pending claims.

During the interview, Examiner Davis also alluded to her desire to have explained on the record the patentable distinction between the claimed invention and the subject matter of several documents previously cited in submitted information disclosure statements, *viz*, [A19] Swenson et al. J. Biol. Chem., 264:14318-14326, 1989; [A21] Whitlock et al. J. Clin. Invest., 84:129-137, 1989; [A22] Evans et al. J. Lipid Res 35:1634-1645, 1994; and [A23] Zuckerman et al. Lipids, 30:307-311, 1995.

As explained to Examiner Davis at the interview, each of these documents was identified and distinguished within the body of the pending application. Each of these articles is directed to passive xenogenic immunization and thus differs radically from the active autogenic immunization of the pending claims.

The cited articles simply chronicle the temporary reductions in CETP that might be accomplished using passive immunization with xenogenic antibodies (a “process in which antibodies [produced] from an animal of one species are administered to an animal of another species, [see application page 13 ln 31-33]). The following examples of passive xenogenic immunizations from these documents are thus specifically discussed/distinguished in the subject application:

- Monoclonal antibody TP2 was produced by hybridoma technology (using xenogenic human CETP). “TP2 is directed against an epitope within the last 26 amino acids of CETP (SEQ ID NO:29) . . . [and] has been shown to block CETP-mediated lipid transfer . . .” .(page 6, ln 7-15).  
[A19] Swenson et al. J. Biol. Chem., 264:14318-14326, 1989.
- “[R]abbits were intravenously injected with TP1 [xenogeneic mouse monoclonal antibodies], resulting in an initial 70 percent inhibition of CETP-mediated CE transfer activity.  
(Page 6, ln 16-21). [A21] Whitlock et al.J. Clin. Invest., 84:129-137, 1989
- “[A] single sub-cutaneous injection of TP2 monoclonal antibodies in another illustration of passive administration of xenogeneic antibodies [into hamster] . . . raised HDL cholesterol 24 percent. [page 6, ln 33 through page 7, ln 6] [A22] . Evans et al.J. Lipid Res 35:1634-1645, 1994; [A23] Zuckerman et al.Lipids, 30:307-311, 1995.

As discussed during the interview, notable limitations of passive xenogenic immunization disclosed in the subject application include the fact that:

- “Passive immunization with the use of xenogeneic antibodies can only be utilized for a short-term period of time because host animals develop antibodies to the xenogeneic immunoglobulin.” [pg 8, ln 18-21] and
- The need for, and “problems associated with [frequently] repeated administration. [page

Passive xenogenic immunizations can be readily distinguished from the patentably distinct active autogenic immunization defined by the pending application and claims as set forth in the Table below:

	SOURCE OF ANTIBODIES	CETP	INJECTANT	FREQUENCY OF INJECTION (TO MAINTAIN ELEVATED HDL-CHOLESTEROL)	SIDE EFFECTS	EXAMPLES
PASSIVE XENOGENIC IMMUNIZATIONS	Produced by donor animal	Xenogenic to host	Antibodies against CETP	Every few days	Anaphylaxis, elicits antibody response to injected antibodies	A19 Swenson et al. A21 Whitlock et al. A22 Evans et al. A23 Zuckerman et al.
ACTIVE AUTOGENIC IMMUNIZATION	Endogenously produced by treated subject	Autogenic to host	CETP	Every 9-18 months	No anti-antibody response (antibodies not injected)	Present invention

As examiner Davis herself observed at the interview, the success of autogenic immunization in view of a prior disclosure of passive xenogenic immunization would not have been expected because of mechanisms normally leading to self tolerance (e.g. central T cell tolerance, peripheral T

cell tolerance, T cell anergy, etc.) (Cellular and Molecular Immunology, 4<sup>th</sup> ed. Eds. Abbas, Lichtman, and Pober, Saunders Company, 2000). Moreover, in view of, for example, the work of L. Sherman and others, the action of CTLA-4 would be expected to prevent antibody production against "self" (autogenic) proteins (J Immunol. 2001 Mar 15; 166(6):3908-14).

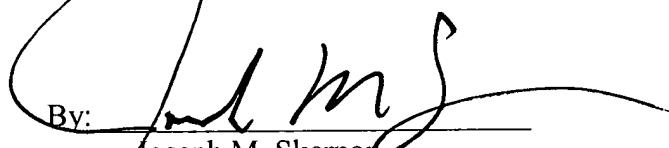
On the basis of the above, applicants respectfully request consideration of the subject application.

Please charge our Deposit Account No. 19-0733 for any fee.

Dated: April 18, 2002

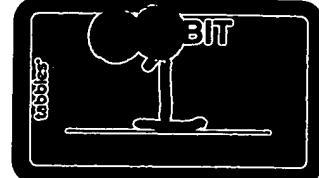
Respectfully submitted,

By:

  
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**COMPANY CONFIDENTIAL**



DISCLOSURE OF INVENTION  
MONSANTO CORPORATE RESEARCH

DISCLOSURE NO.  
D-07-[REDACTED]

P9331

This disclosure has been read and is understood by me:

ROUTE (as appropriate):

SIGNATURE

DATE

Dr. Kevin C. Glenn

Associate Fellow

Dr. Una S. Ryan

Research Director

Dr. Philip Needleman

Corp. Vice President

Paul Passley

Patent Counsel

Dennis Bennett

Attorney

1. SUGGESTED TITLE:

Improvement of Plasma HDL and LDL Cholesterol Levels By Generation of Autoimmune Neutralization of Plasma Cholestry Ester Transfer Protein (CETP)

2. (a) Give a short statement of invention.

Peptide or peptido-mimetic immunogens are used to generate a neutralizing autoimmune reaction to endogenous plasma CETP that significantly elevates plasma HDL cholesterol and lowers LDL cholesterol sufficient to markedly reduce an individual's risk of coronary artery disease.

(b) Describe the invention in a broad manner and give at least one complete example. (Use additional sheets if necessary.)\*

Mortality statistics for the past several decades demonstrate an "epidemic" rise in the incidence of coronary artery disease (CAD) in Western industrialized countries, with a sizable number directly linked to disturbances in blood lipoprotein levels. Numerous

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\*Attach, sign and date all additional sheets.

  
Signature/Date

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drugs are available for treating elevated plasma low density lipoprotein cholesterol (LDLc) levels. However, several recent clinical studies have established an inverse relationship between plasma high density lipoprotein cholesterol (HDLc) and the incidence of (CAD), suggesting that increased HDLc may protect or even reverse coronary disease related to high LDLc.

It has recently been shown that the presence and level of cholesteryl ester transfer protein (CETP) in the plasma correlates with elevated LDLc and lowered HDLc. CETP's normal function is to transfer cholesteryl ester from HDL to LDL. Individuals genetically deficient in CETP have remarkably high HDLc and low LDLc, and appear to live normal healthy lives while enjoying remarkable longevity into their 80's and 90's. CETP is a 74,000 dalton acidic glycoprotein. Deletion of the C-terminus of CETP renders it inactive for promoting lipid transfer between HDL and LDL. Site-directed mutagenesis and a monoclonal antibody that blocks CETP action have shown that the C-terminal 26 amino acids are essential for binding of CETP to LDL and HDL for lipid transfer. An effective inhibitor of CETP could represent a breakthrough product that could supplant current therapies focused on improving an individual's plasma cholesterol profile.

The current invention involves the use of a peptide or peptido-mimetic as an immunogen for generating an autoimmune response that neutralizes endogenous CETP. Central to the invention is the concept that auto-immunologic inhibition of CETP will result in marked elevation of HDLc and reduced LDLc, similar to that seen in individuals that are genetically deficient in CETP. The peptide or peptido-mimetic immunogens could represent all or part of the CETP protein molecule, including but not restricted to the C-terminal 26 amino acid region of CETP shown to account for CETP-facilitated lipid transfer activity.

An example would be the use of a chemically synthesized peptide of 26 amino acids in length with the sequence:

RDGFLLLQMDFGFPEHLLVDFLQSLS

representing the C-terminal 26 amino acids of human CETP. This peptide would be conjugated to a carrier protein, such as thyroglobulin or Keyhole Limpet hemocyanin (KLH), and injected subcutaneously with an adjuvant. Booster injections would be given 4 to 6 weeks after the initial immunization and every 3 to 4 weeks subsequently, in order to generate a high titer response against the peptide that will also recognize intact endogenous plasma CETP. Plasma HDLc and LDLc is measured before and after immunizations to monitor efficacy of the method towards improving an individual's lipoprotein levels such that they have a reduced risk of CAD.

(c) List variables and alternatives which can be used.

The 26 amino acid C-terminal peptide of CETP is so hydrophobic that it may be able to serve as a suitable immunogen without the need for conjugation to a carrier protein. Other regions of CETP, or the full length protein may also be suitable immunogens for generating an autoimmune neutralizing antiserum against CETP activity in the plasma. It would be valuable to use peptides smaller than the full-length CETP or even regions of CETP such as its 26 amino acid C-terminal region to generate a neutralizing immunological response to endogenous CETP. In fact, a peptide may not be necessary,

  
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but instead a peptido-mimetic that is functionally equivalent to the critical region of CETP required to generate antibodies that neutralize endogenous CETP but that chemically is more stable or immunogenic than the native peptide chemical structure. Substitution of amino acids unique to human CETP with the analogous amino acid from another species may enhance generation of neutralizing antibodies. Alternatively, non-natural amino acids (e.g. D versus L-form) at specific places within the immunogen may facilitate generation of high potency autoimmune-generated neutralizing antibodies.

In place of synthetically generated peptide immunogen, the pGEX system of producing a fusion protein between CETP or CETP-derived peptide and glutathione S-transferase protein (GST) in *E. coli* could present a viable immunogen for generating autoimmune antibodies that neutralize endogenous CETP activity.

The adjuvant vehicle and route of immunization is another set of variables that could influence the probability of generating a neutralizing autoimmune reaction to endogenous CETP. Several types of adjuvant are possible: Complete and Incomplete Freund's adjuvant, synthetic adjuvants (such as muramyl dipeptide derivatives sold by Ribi Immunochem Research, Inc, Hamilton MT or TiterMax sold by CytRx Corp., Norcross, GA), and/or oil emulsions. Alternatives to subcutaneous injections include transdermal, intramuscular, or intravenous injection or combinations of the above. Another option is to alternate the carrier protein for different injections. For example, the first injection could be with the peptide conjugated to Carrier "A" (e.g. thyroglobulin or GST) and booster injections could be with Carrier "B" (e.g. KLH or peptide alone).

- (d) How does this differ from the previous work of others. Give citations and attach references (if available).

To date, the only published attempt to neutralize CETP action has been with a mouse monoclonal antibody that blocks CETP-mediated lipid transfer *in vitro* (Hesler, C.B., Tall, A.R., Swenson, T.L., Weech, P.K., Marcel, Y.L. and Milne, R.W. (1988) *J. Biol. Chem.* 263: 5020-5023, Swenson, M.J., Hesler, C.B., Brown, M.L., Quinte, E., Trotta, P.P., Haslanger, M.F., Gaeta, F.C.A., Marcel, Y.L., Milne, R.W., and Tall, A.R. (1989) *J. Biol. Chem.* 264: 14318-14326). Passive immunization of rabbits with the blocking monoclonal antibody produced a modest decrease in plasma LDLc (~20%) and modest increase in plasma HDLc (~10%) (Whitlock, M.E., Swenson, T.L., Romakrishnan, R., Leonard, M.T., Marcel, Y.L., Milne, R.W. and Tall, A.R. (1989) *J. Clin. Invest.* 84: 129-137). The marginal effect of the monoclonal antibody could be owing to 1) the short duration of the passive immunization protocol (7 days), 2) the generation of endogenous anti-rabbit antibodies that impaired passive antibody activity, 3) less than complete inhibition of endogenous CETP by inappropriate dosage of the blocking monoclonal antibody, or 4) their showing that TP2 could inhibit rabbit CETP approximately 62%. The present invention would involve generation of an autoimmune response to endogenous CETP that would be a significant improvement over the previous work by others by avoiding the complicating issues listed above.

3. (a) When was the invention first thought of?

The invention was first developed at a meeting with Dr. Phillip Needleman at a meeting held [REDACTED] Contributors to the initial conceptualization of the invention of

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autoimmune neutralization of endogenous CETP as a way of improving an individual's plasma HDL and LDL profile included Dr's: Needleman, Ryan and Glenn.

- (b) Give date of the first written description (include notebook page numbers).

The first written documentation of the invention was a printout of a ccMAIL message from Dr. Needleman dated [REDACTED] and is included as an attachment to notebook page [REDACTED] as a part of Dr. Glenn's complete description of the invention on that page, dated [REDACTED]

4. To whom and on what date did you first disclose or suggest this invention to others, either orally or in writing?

The people present at the meeting held [REDACTED] included: Dr. Needleman, Dr. Una Ryan, Dr. Donald Laird, Michele Melton, Dianne Stockhausen and myself. Since the time of that meeting, the invention has also been discussed with other Monsanto or Searle employees including: Dr. Gwen Krivi, Dr. Robert Manning, Dr. Ben Schwartz, Dr. Dan Connolly, Tim Keane, and Dennis Bennett, and presented at the Vascular Biology Targets meeting [REDACTED]. It has never been disclosed outside Monsanto/Searle, either orally or in writing.

5. Give dates and details regarding samples, information, or publication, relating to this invention which have been or are currently planned to be given to persons outside Monsanto.

Currently, no plans exist for providing samples, information or publication of information.

Signature: K. G. Date [REDACTED]

Print Name: Kevin C. Glenn  
First Middle Last

Signature: Una S. Ryan Date [REDACTED]

Print Name: UNA S. RYAN  
First Middle Last

Signature: Philip Needleman Date [REDACTED]

Print Name: PHILIP NEEDLEMAN  
First Middle Last

K. G. [REDACTED]  
Signature/Date

**EXHIBIT**

**2**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application Of: )  
Needleman et al. ) Group Art Unit 1642  
Serial No. 09/387,340 ) Examiner: Minh-Tam Davis  
Filed: August 31, 1999 ) Atty. Docket: MON-102.0-C3119-C  
Continued Prosecution Application ) 061765.00367  
Filed: January 4, 2002 )  
)  
)

For: AN IMMUNOLOGICAL PROCESS FOR INCREASING HDL CHOLESTEROL CONCENTRATION (AS AMENDED)

**DECLARATION OF ELAINE KRUL PURSUANT TO 37 C.F.R. §1.131**

The Honorable Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

I, ELAINE KRUL, Ph.D. hereby declare that:

1. I am presently employed by Pharmacia Corporation.
2. I received my Ph.D. degree from McGill University, Montreal, Quebec, Canada in 1982, majoring in biochemistry;
3. Between February of 1994 and February of 1998, I was employed by G.D. Searle, Co., ("SEARLE"), now a wholly owned subsidiary of Pharmacia. Pharmacia, formerly known as Monsanto Company, is the assignee of the above-identified patent application.
4. The work described in this Declaration was carried out in the State of Missouri, the United States of America, by me or by one or more persons under my direction and control and the work described in this declaration was done on behalf of the inventors of the above-identified patent application.

5. The work described in this Declaration occurred during an interval ("INTERVAL") beginning on a date prior to November 7, 1996 (the date of publication of WO 96/34888) and continuing to a date subsequent to January 21, 1997 (the date of filing of U.S. Patent Application Serial No. 08/788,882 for which priority of the above-identified patent application is claimed).

6. During the INTERVAL, such work was conducted towards reducing to practice a vaccination method using an inoculum comprising a vaccine construct for treating human patients to produce antibodies against endogenous CETP such as for the purpose of treating human pro-atherogenic dyslipoproteinemias (e.g., atherosclerosis).

7. Such work comprised (1) vaccinating laboratory animals with inocula, each inoculum containing a vehicle and a CETP construct (CETP immunogen), wherein such constructs consisted of either tuberculin purified protein derivative (PPD) or multiple antigenic peptide (MAP) as an exogenous antigenic carrier polypeptide peptide-bonded to amino acids 42-61, 150-169, 306-325, 345-364, 370-389, or 475-496 of the human CETP amino acid sequence, (2) analyzing the time course of the resultant lipoprotein and cholesterol levels, anti-CETP antibody produced, and endogenous CETP activity levels in the vaccinated animals, and (3) developing a new transgenic mouse model for atherosclerosis to serve as an alternative confirmatory platform to the established rabbit model for testing and validating such vaccination method.

8. As many as five full-time SEARLE employees contributed to the work under my direction.

9. Excepting weekends and SEARLE holidays, such work was conducted every day during the INTERVAL.

10. I make the foregoing statements regarding such work after a review of several laboratory notebooks, such notebooks each being bound and paginated and each page being signed and dated by me or by one of the five full-time SEARLE employees working under my direction, or control. True copies of the relevant pages of the notebook records are appended hereto as Exhibit A

11. I am over 18 years of age and of competent mind.

12. All statements made of my own knowledge are true and all statements made on information and belief are believed to be true; and further, these statements were made with the knowledge that willful, false statement so made are punishable by fine or imprisonment or both, under 18 U.S.C. § 1001 and that such willful, false statements may jeopardize the validity of the above-identified application or any patent issuing thereon.

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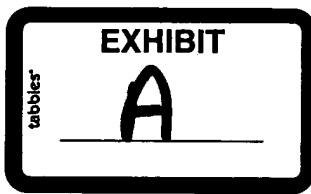
Date

Elaine Krul

Elaine Krul

Project Number <b>RLE</b>	Subject <b>SEARLE</b>	Terminal Boosts & Bleeds of rabbit 02, 07 & 08	Book Number GDS - 5734 Page <b>053</b>
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Rabbit 02, 07, 08 boosted on 10-12-96 with CTP-peptides coupled to PPD. (see Notebook 5734001-007) (Harriet Kulander prepared emulsions) (Rabbit 01 sacrificed several months ago due to infection in eye.) Rabbit bled out on 10-25-96. Sera frozen & stored at -20°C.



$\cancel{PPD} = \text{tuberculin}$   
 $\cancel{\text{purified protein derivative}}$

ity

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Author's Signature  
*Elaine L. Krul*

Date

10/26/96

Read and Understood By

*Denise Nachowick*

Date

10-1-97

Book Number	Subject	Project Number
GDS - 5734	CETP associated IgM: Binding to oxLOL	
054		
	SEARLE	

Hypothesis: CETP assoc. IgM is binding ox-LDL on CETP (autoabs to oxLDL)  
 CETP prep from Heidi Hope (6/12/96) was applied  
 (by Heidi) onto Pierce IgM column

We obtained ~ 8.7 ml of eluted protein  
 in the Pierce Elution Buffer (~20 μg/ml by A<sub>280 nm</sub>)

I added 8.7 ml saturated (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> diisopropyl  
 Let sit for several days @ 4°C.

Spun @ 10,000 rpm in JA rotor (7/19/96).  
 Could not see precipitate — saw "cloudy"  
 material on wall of tube — Dissolved in  
 200 μl PBS.

Performed downy. (see p.056)

Obtained LO<sub>147</sub> from Annette Frick.

Oxidized LO<sub>147</sub> according to protocol on opposite page.

Performed downy. (see p.056)

Author's Signature	Date	Read and Understood By	Date
Elaine Kruel	10/26/96	Denise Nachowick	10-1-97

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Project Number	Subject	Book Number
SEARLE	CETP associated IgM: Binding to oxLDL	GDS - 5734 Page 055

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to oxLDL

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in  
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## CU<sup>2+</sup> OXIDATION OF LDL

- Refs: 1) Steinbrecher, U.P., Witztum, J.L., Parthasarathy, S. and Steinberg, D. (1987) Decrease in reactive amino groups during oxidation or endothelial cell modification of LDL, *Arteriosclerosis* 7; 135-143.
- 2) Barnhart, R.L., Busch, S.J. and Jackson, R.L. (1989) Concentration-dependent antioxidant activity of probucol in low density lipoproteins in vitro: probucol degradation precedes lipoprotein oxidation, *J. Lipid Res.* 30; 1703-1710.

### Materials

- 1 mM CuSO<sub>4</sub>•5H<sub>2</sub>O (0.025g QS to 100 ml)
- EDTA-free PBS (regular PBS)
- LDL (at least a 2 ml solution diluted to 300 µg/ml protein with PBS)
- Buffer A - 0.01 M sodium phosphate, 0.15 M NaCl, 0.01% EDTA, pH 7.4  
 1.56 g NaH<sub>2</sub>PO<sub>4</sub>•H<sub>2</sub>O  
 4.07 g Na<sub>2</sub>HPO<sub>4</sub>  
 8.8 g NaCl  
 0.1 g EDTA (or 0.54 ml of a 0.5 M EDTA STOCK, pH 8)  
 Bring up in approx. 900 ml of deionized H<sub>2</sub>O. Adjust pH to 7.4 and QS to 1 liter.

### Procedure

1. Dialyze LDL versus EDTA-free PBS to remove any EDTA or DTPA. (These chelating agents will block the interaction of Cu<sup>2+</sup> with LDL).
2. Dilute dialyzed LDL solution to a concentration of 300 µg/ml with PBS and put LDL solution into a clean screw-cap tube.
3. Add 1 mM CuSO<sub>4</sub> to LDL solution to a final concentration of 10 µM (1:100 dilution).
4. Incubate LDL-CuSO<sub>4</sub> mixture at 37°C in loosely capped tube overnight.
5. Terminate reaction by dialyzing LDL solution against Buffer A at 4°C overnight.

A:CUOXLDL.EK  
02-21-90

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Author's Signature	Date	Read and Understood By	Date
Elaine Kue	10/26/96	Denise Nachowick	10-1-97

Book Number <b>GDS - 5734</b>	Subject <i>CETP associated IgM: Binding to oxLDL</i>	Project Number
Page <b>056</b>		<b>SEARLE</b>

	1	2	3	4	5	6	7	8	9	10	11	12
A	-0.001	0.001	0.274	0.243	0.176	0.161	-0.034	-0.035	-0.035	-0.034	-0.036	-0.036
B	0.072	0.074	0.446	0.455	0.020	0.023	-0.034	-0.035	-0.035	-0.034	-0.035	-0.032
C	0.120	0.110	0.598	0.601	0.028	0.034	-0.034	-0.035	-0.035	-0.034	-0.034	-0.027
D	0.201	0.200	0.251	0.237	0.000	0.001	-0.022	-0.031	-0.035	-0.034	-0.034	-0.031
E	0.357	0.365	0.414	0.412	0.011	0.014	-0.021	-0.034	-0.035	-0.034	-0.034	-0.031
F	0.503	0.493	0.556	0.552	0.000	0.001	-0.032	-0.035	-0.035	-0.034	-0.034	-0.034
G	0.683	0.688	0.134	0.133	0.000	0.000	-0.033	-0.035	-0.035	-0.034	-0.032	-0.025
H	0.809	0.883	0.167	0.170	-0.002	-0.001	-0.033	-0.035	-0.035	-0.034	-0.034	-0.022

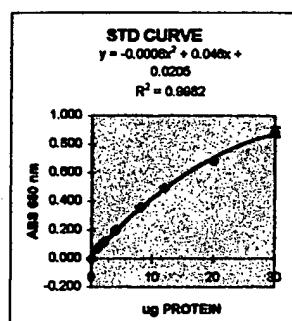
READ DATE:  
7/23/96  
ASSAY NAME:  
PLATE NUMBER:  
072396p1  
READER NUMBER:

**MARKWELL PROTEIN ASSAY**

ug	MEAN	SD	CALC	STD
STD	OD 1	OD 2	OD	OD
0	-0.001	0.001	0.000	0.001
1	0.072	0.074	0.073	0.001
2	0.120	0.110	0.115	0.007
4	0.201	0.200	0.201	0.001
8	0.357	0.365	0.361	0.006
12	0.503	0.493	0.498	0.007
20	0.883	0.688	0.686	0.004
30	0.809	0.883	0.888	0.003

**SAMPLE RESULTS (DUPLICATES)**

SAMP.	MEAN	SD	CALC.	CALC.	DF	mg/ml	PROT
NO.	(ml)	OD 1	OD 2	OD	ug	ug/ml	
LDL147	0.010	0.274	0.243	0.259	0.022	5.274	527.380
LDL147	0.020	0.446	0.455	0.451	0.008	10.264	513.187
LDL147	0.030	0.598	0.601	0.600	0.002	14.813	483.760
LDL148	0.010	0.251	0.237	0.244	0.010	4.826	492.592
LDL148	0.020	0.414	0.412	0.413	0.001	9.225	461.257
LDL148	0.030	0.556	0.552	0.554	0.003	13.341	444.689
oxLDL	0.010	0.134	0.133	0.134	0.001	2.381	238.077
oxLDL	0.020	0.167	0.170	0.168	0.002	3.168	158.390
oxLDL	0.030	0.178	0.161	0.169	0.011	3.168	105.593
IgM	0.010	0.020	0.023	0.022	0.002	-0.033	-3.348
IgM	0.020	0.028	0.034	0.031	0.004	0.188	8.281
12	0.020	0.000	0.001	0.001	#DIV/0!	#DIV/0!	1.000
13	0.020	0.011	0.014	0.013	0.002	#DIV/0!	1.000
14	0.020	0.000	0.001	0.001	0.001	#DIV/0!	1.000
15	0.020	0.000	0.000	0.000	0.000	#DIV/0!	1.000
16	0.020	-0.002	-0.001	-0.002	0.001	#DIV/0!	1.000
17	0.020	-0.034	-0.035	-0.035	0.001	#DIV/0!	1.000
18	0.020	-0.034	-0.035	-0.035	0.001	#DIV/0!	1.000
19	0.020	-0.034	-0.035	-0.035	0.001	#DIV/0!	1.000
20	0.020	-0.022	-0.031	-0.027	0.006	#DIV/0!	1.000
21	0.020	-0.021	-0.034	-0.028	0.009	#DIV/0!	1.000
22	0.020	-0.032	-0.035	-0.034	0.002	#DIV/0!	1.000
23	0.020	-0.033	-0.035	-0.034	0.001	#DIV/0!	1.000
24	0.020	-0.033	-0.035	-0.034	0.001	#DIV/0!	1.000
25	0.020	-0.035	-0.034	-0.035	0.001	#DIV/0!	1.000
26	0.020	-0.035	-0.034	-0.035	0.001	#DIV/0!	1.000
27	0.020	-0.035	-0.034	-0.035	0.001	#DIV/0!	1.000
28	0.020	-0.035	-0.034	-0.035	0.001	#DIV/0!	1.000
29	0.020	-0.035	-0.034	-0.035	0.001	#DIV/0!	1.000
30	0.020	-0.035	-0.034	-0.035	0.001	#DIV/0!	1.000
31	0.020	-0.035	-0.034	-0.035	0.001	#DIV/0!	1.000
32	0.020	-0.035	-0.034	-0.035	0.001	#DIV/0!	1.000
33	0.020	-0.035	-0.036	-0.036	0.001	#DIV/0!	1.000
34	0.020	-0.035	-0.032	-0.034	0.002	#DIV/0!	1.000
35	0.020	-0.034	-0.027	-0.031	0.005	#DIV/0!	1.000
36	0.020	-0.034	-0.031	-0.033	0.002	#DIV/0!	1.000
37	0.020	-0.034	-0.033	-0.034	0.001	#DIV/0!	1.000
38	0.020	-0.034	-0.034	-0.034	0.000	#DIV/0!	1.000
39	0.020	-0.032	-0.025	-0.029	0.005	#DIV/0!	1.000
40	0.020	-0.034	-0.022	-0.028	0.008	#DIV/0!	1.000



LDL 147  $\bar{x} = 5.11$

LDL 148  $\bar{x} = 4.66$

OXLDL  $\bar{x} = 0.198$   
(omit 3rd point)  
probably young vol.  
pipped

IgM below  
detection  
limit

Author's Signature *Elaine Kruel* Date *10/26/96* Read and Understood By *Denise Nachowick* Date *10-1-97*

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RLE

Project Number <b>SEARLE</b>	Subject <b>CETP associated IgM: Binding to OX COL</b>	Book Number <b>GDS - 5734</b>
		Page <b>057</b>

DATE:  
08  
NAME:  
NUMBER:  
6821  
052

- No IgM was recovered after the attempt to precipitate it with ammonium sulfate. Since we don't know what's in the Pierce eluting buffer this may have affected precipitation or IgM may have been too dilute for forming good precipitates.
- Will try again.

Another CETP prep from Heidi (8/7/96, see her notebook 6821 052) was used to concentrate IgM.

I pooled eluted fractions 4,5,6

Used Centricon-30 to concentrate IgM. Washed the Centricon-30 once in H<sub>2</sub>O to remove glycerol. Then concentrated IgM as per manufacturer's instructions. De-salting versus PBS.

---> Quantitation Results Report <---

Date : 10-22-1996  
Time : 01:12:40  
Operator : Not Entered

File Name : Data not stored yet

Sample Name :  
Solvent Name :  
Conc Units :  
Dil. Factor : 1.00

Analytical Wavelength : 280 nm  
Reference Wavelength : None Selected  
Confirmation Wavelengths : None Selected  
Integration Time : 1 seconds

SAMPLE #	Sample Name	Wavelength	Func. Res.	Concentration
1	blank PBS	Analytical	+0.0000	
2	IgM NRAT	Analytical	+0.0583	→ 41.6 ug/ml

(prep from 8/7/96)  
Heidi Hope Notebook  
6821 052

Author's Signature <i>Elaine Kruel</i>	Date 10/26/96	Read and Understood By <i>Denise Nachowick</i>	Date 10-22-1996
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-1-97

Book Number <b>GDS - 5734</b>	Subject <b>CETP Associated IgM; Binding to OXCOL</b>	Project Number <b>SEARLE</b>
Page <b>058</b>		

Tested ability of the IgM purified from that which was associated with human plasma CETP, and a control human IgM from Sigma (I-8260, Lot 085H-4842).

Essentially performed ELISA assays as described by Horkko, S et. al. (1996) J. Clin. Invest. 98 (3):815-25.

Used Cardiolipin (C-1649, Lot 85H8380 Sigma) to coat one plate. This is because antibodies (IgMs) to OXCOL in humans tend to react with the oxidized phospholipids — are seen when you let Cardiolipin coat plastic wells.

- 40ug/ml cardiolipin stock in 100% EtOH (10mg QS to 250 ml 100% EtOH)
- OXCOL and COL were used (OXCOL<sub>147</sub> & COL<sub>147</sub>) (198ug/ml) (510ug/ml) coated plates in Sig/ml

Sigma IgM 940ug/ml 580ul diluted to 2.41mls  
 $\Rightarrow$  10ug/ml

CETP IgM 41.6ug/ml 26ul QS'd to 2.40ml  
 $\Rightarrow$  10ug/ml

Dilutions of IgMs made in 1% BSA, TBS buffer  
 1.2 ml + 1.2 ml, etc.

Author's Signature	Date	Read and Understood By	Date
Elaine Kruel	10/26/96	Denise Nachowitz	10-1-97

RLE

Project Number	Subject	CETP Associated IgM: Binding to oxLDL	Book Number GDS - 5734
SEARLE			Page 059

Dilution  
of  
IgM  
↑

DATE: 10/23/96		Plate ①											
ASSAY:													
A	B	1	2	3	4	5	6	7	8	9	10	11	12
0	0												
0.025	0.125												
0.250	0.725												
0.625	0.625												
1.25	1.25												
2.5	2.5												
5.0	5.0												
10.0	10.0												

hIgM CETPIgM hIgM CETPIgM hIgM CETPIgM  
No coat LDL coat oxLDL coat

DATE:		Plate ②											
ASSAY:													
A	B	1	2	3	4	5	6	7	8	9	10	11	12
0	0.156												
0.3125													
0.625													
1.25													
2.5													
5.0													
10.0													

hIgM CETPIgM hIgM CETPIgM  
Ethanol coat cardiolipin coat

Used  
Sigma  
A-3437  
a human  
IgM  
AP  
cmyciga  
(y chain  
specific)  
Lot  
0144 -  
8904  
1/37,000  
dilution

Author's Signature	Date	Read and Understood By	Date
Elaine Kiel	10/26/96	Denise Nachowick	10-1-97

-1-97

Book Number <b>GDS - 5734</b>	Subject <i>CETP Associated IgM: Binding to oxLDL</i>	Project Number
Page <b>060</b>		<b>SEARLE</b>

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.101	0.103	0.100	0.096	0.113	0.101	0.097	0.102	0.083	0.107	0.116	0.112
B	0.121	0.134	0.131	0.107	0.125	0.125	0.109	0.111	0.111	0.127	0.100	0.107
C	0.141	0.115	0.105	0.106	0.143	0.139	0.109	0.105	0.130	0.129	0.106	0.122
D	0.133	0.126	0.100	0.096	0.177	0.171	0.127	0.123	0.155	0.161	0.120	0.118
E	0.164	0.168	0.132	0.110	0.272	0.270	0.186	0.162	0.222	0.213	0.114	0.126
F	0.274	0.248	0.131	0.148	0.413	0.429	0.208	0.247	0.415	0.360	0.145	0.148
G	0.330	0.313	0.150	0.224	0.633	0.645	0.358	0.354	0.588	0.558	0.183	0.272
H	0.558	0.497	0.215	0.290	1.032	0.953	0.764	0.729	0.910	0.923	0.274	0.277

Project  
 READ DATE: 10/25/96  
 ASSAY NAME:  
 PLATE NUMBER: 102596p1  
 READER NUMBER:

#### Human IgM

[IgM]	LDL	Mean	No Coat	Mean	Net LDL
0	0.113	0.101	0.107	0.101	0.103 0.005
0.156	0.125	0.125	0.125	0.121	0.134 0.128 -0.003
0.3125	0.143	0.139	0.141	0.141	0.115 0.128 0.013
0.625	0.177	0.171	0.174	0.133	0.126 0.130 0.045
1.25	0.272	0.270	0.271	0.184	0.168 0.168 0.105
2.5	0.413	0.429	0.421	0.274	0.248 0.260 0.161
5	0.833	0.845	0.839	0.330	0.313 0.322 0.318
10	1.032	0.953	0.993	0.558	0.497 0.528 0.465
					Net
	oxLDL	Mean	No Coat	Mean	oxLDL
0	0.093	0.107	0.100	0.101	0.103 0.102 -0.002
0.156	0.111	0.127	0.119	0.121	0.134 0.128 -0.009
0.3125	0.130	0.129	0.130	0.141	0.115 0.128 0.002
0.625	0.155	0.161	0.158	0.133	0.126 0.130 0.029
1.25	0.222	0.213	0.218	0.184	0.168 0.168 0.052
2.5	0.415	0.380	0.388	0.274	0.248 0.260 0.128
5	0.598	0.558	0.578	0.330	0.313 0.322 0.257
10	0.910	0.923	0.917	0.558	0.497 0.528 0.389

#### CETP IgM

[IgM]	LDL	Mean	No Coat	Mean	Net LDL
0	0.097	0.102	0.100	0.100	0.098 0.098 0.002
0.156	0.109	0.111	0.110	0.131	0.107 0.119 -0.009
0.3125	0.109	0.105	0.107	0.105	0.106 0.106 0.002
0.625	0.127	0.123	0.125	0.100	0.098 0.098 0.027
1.25	0.188	0.182	0.174	0.132	0.110 0.121 0.053
2.5	0.208	0.247	0.228	0.131	0.148 0.140 0.088
5	0.358	0.354	0.356	0.150	0.224 0.187 0.169
10	0.764	0.729	0.747	0.215	0.290 0.253 0.494

[IgM]	oxLDL	Mean	No Coat	Mean	oxLDL
0	0.116	0.112	0.114	0.100	0.096 0.098 0.018
0.156	0.100	0.107	0.104	0.131	0.107 0.119 -0.016
0.3125	0.108	0.122	0.114	0.105	0.106 0.106 0.008
0.625	0.120	0.118	0.119	0.100	0.096 0.098 0.021
1.25	0.114	0.126	0.120	0.132	0.110 0.121 -0.001
2.5	0.145	0.148	0.147	0.131	0.148 0.140 0.007
5	0.183	0.272	0.228	0.150	0.224 0.187 0.041
10	0.274	0.277	0.276	0.215	0.290 0.253 0.023

Author's Signature *Elaine Kruel* Date *10/26/96* Read and Understood By *Denise Nachowick* Date *10-1-97*

Autho

RLE

Project Number <b>SEARLE</b>	Subject <i>CETP Associated IgM: Binding to OXCOL</i>	Book Number <b>GDS - 5734</b>
		Page <b>061</b>

ATE:  
98  
AME:  
MBER:  
JMBER:

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.101	0.103	0.104	0.093	0.082	0.091	0.080	0.083	0.010	0.009	0.010	0.010
B	0.108	0.101	0.098	0.094	0.094	0.100	0.091	0.088	0.011	0.009	0.010	0.008
C	0.111	0.109	0.104	0.104	0.109	0.113	0.096	0.091	0.013	0.009	0.012	0.012
D	0.129	0.121	0.106	0.105	0.111	0.118	0.098	0.103	0.019	0.008	0.011	0.010
E	0.144	0.127	0.119	0.112	0.121	0.117	0.097	0.098	0.010	0.009	0.012	0.012
F	0.212	0.191	0.138	0.128	0.138	0.160	0.103	0.115	0.008	0.011	0.009	0.008
G	0.252	0.194	0.148	0.171	0.178	0.185	0.162	0.173	0.013	0.009	0.008	0.008
H	0.461	0.408	0.241	0.224	0.247	0.239	0.188	0.219	0.009	0.008	0.004	0.007

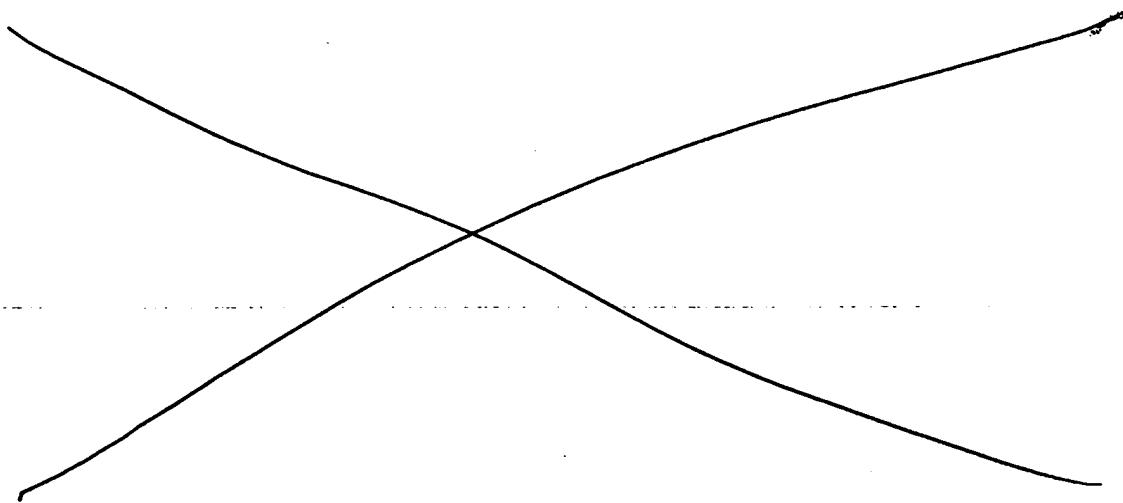
READ DATE:  
10/25/96  
ASSAY NAME:  
PLATE NUMBER:  
102596p2  
READER NUMBER:

Human IgM

[IgM]	Cardiolipin	Mean	EtOH coat	Mean	Net Cardiolipin
0	0.092	0.091	0.092	0.101	0.103
0.156	0.094	0.100	0.097	0.106	0.101
0.3125	0.109	0.113	0.111	0.111	0.109
0.625	0.111	0.118	0.115	0.129	0.121
1.25	0.121	0.117	0.119	0.144	0.127
2.5	0.138	0.160	0.149	0.212	0.191
5	0.178	0.185	0.182	0.252	0.194
10	0.247	0.239	0.243	0.461	0.408

CETP IgM

[IgM]	Cardiolipin	Mean	EtOH coat	Mean	Net Cardiolipin
0	0.090	0.093	0.092	0.104	0.093
0.156	0.091	0.088	0.090	0.096	0.094
0.3125	0.096	0.091	0.094	0.104	0.104
0.625	0.098	0.103	0.101	0.106	0.105
1.25	0.097	0.098	0.098	0.119	0.112
2.5	0.103	0.115	0.109	0.136	0.128
5	0.162	0.173	0.168	0.148	0.171
10	0.186	0.219	0.203	0.241	0.224



Author's Signature

Elaine Kruel

Date

10/26/96

Read and Understood By

Denise Nachowiak

Date

10-1-97

-1-97

Book Number  
**GDS - 5734**  
Page  
**062**

Subject

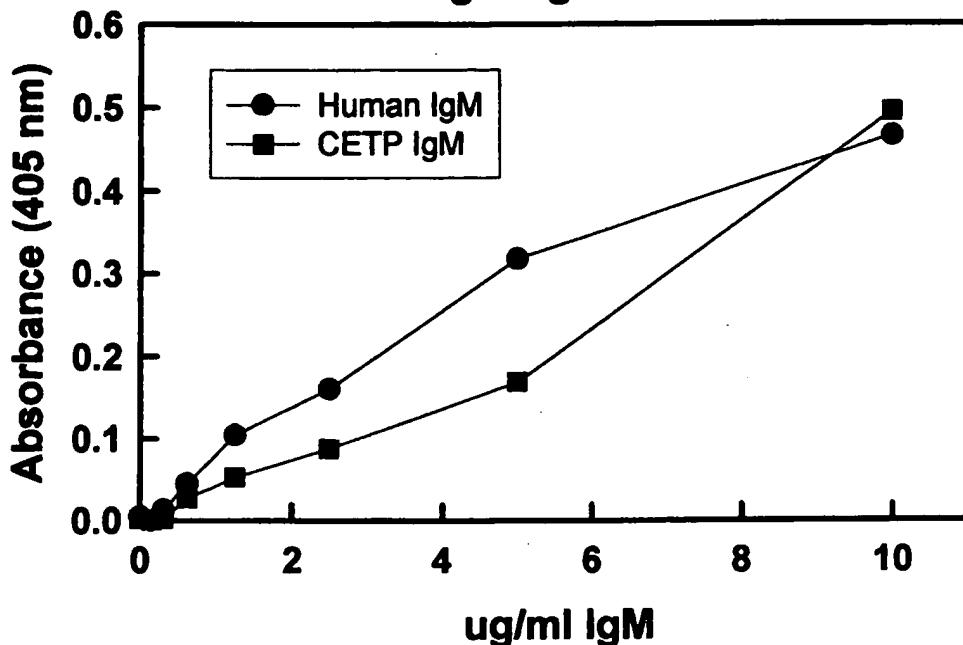
*CETP Associated IgM:  
Binding to oxLDL*

Project Number

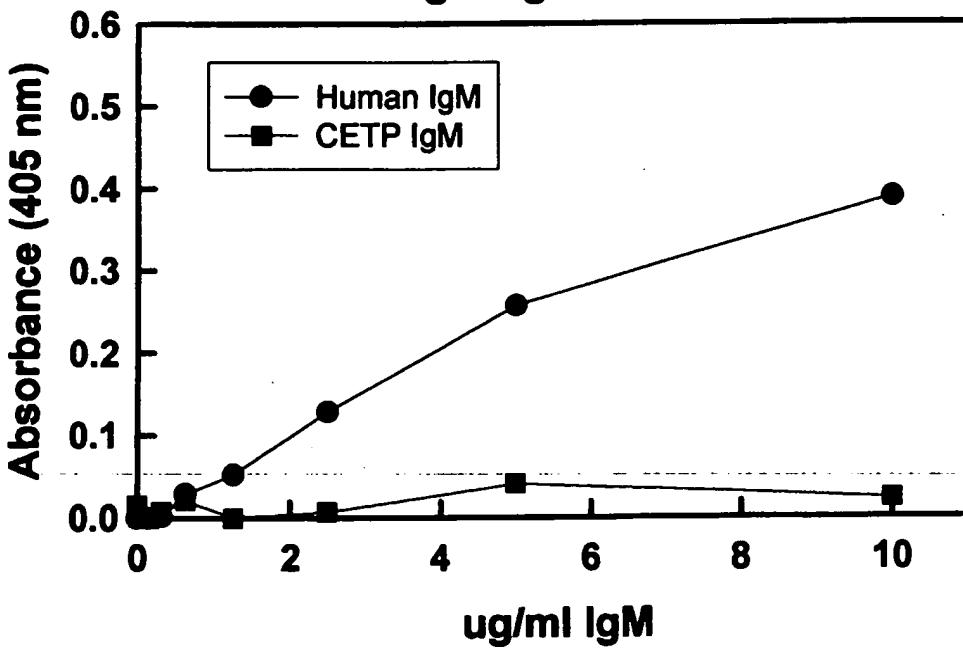
**SEARLE**

Proto

### Binding of IgMs to LDL



### Binding of IgMs to oxLDL



Author's Signature

*Elaine Kruel*

Date

*10/26/96*

Read and Understood By

*Denise Nachonick*

Date

*10-1-97*

Author

*E*

RLE

Project Number <b>SEARLE</b>	Subject <b>CETP Associated IgM: Binding to ox LDL</b>	Book Number <b>GDS. 5734</b>
		Page <b>063</b>

Conclusions:

- ① The LDL<sub>47</sub> probably has some modifications/oxidative epitopes on it such that a commercial source of human IgM has the ability to bind to it. I didn't use an irrelevant immunoglobulin (IgM directed to a specific antigen) as a control. Next time should do this. Problem is that most human IgMs should bind to oxLDL — use very fresh col next time too as a control.
- ② The CETP assoc. IgM bound almost equally on a log/molar basis to the col — therefore does not have 1 proportion of Abs to a specific col epitope, but appears to have some affinity for col.
- ③ The Human IgM bound virtually equally to oxLDL as col untreated. Therefore the epitopes req'd were sufficient on the starting col + Cu<sup>2+</sup> & oxidation did not enhance/ or lose any epitopes.
- ④ CETP IgM, on the other hand, ~~did not~~ did not bind oxLDL suggesting that Cu<sup>2+</sup> oxidation destroyed the epitope recognized (or it was eliminated by the dialysis step or dilution step, etc.)  
∴ The CETP IgM appears to recognize something specific on col. Is it lipid or protein? Oxidized lipid? Or lipid-protein complex?

Author's Signature <i>Elaine Kruel</i>	Date 10/26/96	Read and Understood By <i>Denise Nachowick</i>	Date 10-1-97
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Book Number  
**GDS - 5734**  
Page  
**064**

Subject

Lipid Assays on Antisera from  
CETP Peptide Immunized  
Rabbit

Project Number

**SEARLE**

1 Rab01 pre 10/27/95		
2 Rab01 12/4/95		
3 Rab01 3/8/96		
4 Rab02 pre 10/27/95		
5 Rab02 12/4/95		
6 Rab02 3/8/96		
7 Rab02 10/25/96		
8 Rab03 pre 10/27/95		
9 Rab03 12/4/95		
10 Rab04 pre 10/27/95		
11 Rab04 12/4/95		
12 Rab05 pre 10/27/95		
13 Rab05 12/4/95		
14 Rab06 pre 10/27/95		
15 Rab06 12/4/95		
16 Rab07 pre 10/27/95		
17 Rab07 12/4/95		
18 Rab07 3/8/96		
19 Rab07 10/25/96		
20 Rab08 pre 10/27/95		
21 Rab08 12/4/95		
22 Rab08 3/8/96		
23 Rab08 10/25/96		
24 Rab08 pre 10/27/95		
25 Rab08 12/4/95		
26 Rab09 pre 10/27/95		
27 Rab09 12/4/95		
28 Rab10 pre 5/30/95		
29 Rab1 7/5/95		
30 Rab1 10/5/95		
31 Rab1 3/8/96		
32 Rab2 pre 5/30/95		
33 Rab2 7/5/95		
34 Rab2 10/5/95		
35 Rab2 3/8/96		
36 Rab3 pre 5/30/95		
37 Rab3 7/5/95		
38 Rab3 3/8/96		
39 Rab4 pre 5/30/95		
40 Rab4 7/5/95		
41 Rab4 3/8/96		
42 Rab5 pre 5/30/95		
43 Rab5 7/5/95		
44 Rab5 3/8/96		
45 Rab6 pre 5/30/95		
46 Rab6 7/5/95		
47 Rab6 3/8/96		
48 Rab7 pre 5/30/95		
49 Rab7 7/5/95		
50 Rab7 3/8/96		
51 Rab8 pre 5/30/95		
52 Rab8 7/5/95		
53 Rab8 3/8/96		
54 Rab9 pre 5/30/95		
55 Rab9 7/5/95		
56 Rab9 3/8/96		
57 Rab10 pre 5/30/95		
58 Rab10 7/5/95		
59 Rab10 3/8/96		
60 Rab11 pre 5/30/95		
61 Rab11 7/5/95		
62 Rab11 10/5/95		
63 Rab11 3/8/96		
64 Rab12 pre 5/30/95		
65 Rab12 7/5/95		
66 Rab12 10/5/95		
67 Rab12 3/8/96		
68		

10/27/95 → 12/4/95 38 days  
 12/4/95 → 3/8/96 95 → 133 days  
 3/8/96 → 10/25/96 231 → 364 days

5/30/95 → 7/5/95 36 days  
 7/5/95 → 10/5/95 92 → 128 days  
 10/5/95 → 3/8/96 155 → 283 days  
 → 7/5/95 → 8/9/95 25 → 71 days

*Rab 10* MAP Pre-Bleeds 5/30/95 Date  
 CETP CFA 6/1/95 2  
 Peptide IFA 6/22/95 23  
Immunizations IFA 9/21/95 114  
 IFA 2/23/96 269

*Rab 11* PPD Pre-Bleeds 10/27/95 Date  
 CETP CFA 11/1/95 5  
 Peptide IFA 11/22/95 26  
Immunizations IFA 2/23/96 119  
 IFA 10/12/96 351

Author's Signature <i>Elaine Kruel</i>	Date 12/2/96	Read and Understood By <i>Denise Nachowisk</i>	Date 10-1-97
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Author's S  
*E*

Project Number <b>SEARLE</b>	Subject Lytic Assays on Antisera from CETP-Peptide Immunized Rabbit	Book Number <b>GDS - 5734</b>
		Page <b>065</b>

days  
33 days  
64 days

15 days  
2 days  
3 days  
days  
25 days  
5 2  
25 23  
25 114  
26 269

60µl sample

TOT CHOL & HDL Plate(1)

DATE: 11/14/96		1	2	3	4	5	6	7	8	9	10	11	12
ASSAY:		A	B	C	D	E	F	G	H				
		5700	1	—	9	17	—	25	—	B1K	—	—	—
		1	—	—	10	—	18	—	26	—	—	—	—
		2	—	—	—	—	19	—	27	—	—	—	—
		3	—	—	—	—	—	—	—	—	—	—	—
		4	—	—	—	—	—	—	—	—	—	—	—
		5	—	—	—	—	—	—	—	—	—	X	—
		6	—	—	—	—	—	—	—	—	—	X	—
		7	—	—	—	—	—	—	—	—	—	X	—
		8	—	—	—	—	—	—	—	—	—	X	—

278 48  
5 5  
25 26  
26 119  
26 351

TOT CHOL & HDL Plate(2)

DATE: 11/14/96		1	2	3	4	5	6	7	8	9	10	11	12
ASSAY:		A	B	C	D	E	F	G	H				
		5700	33	—	41	49	—	57	—	65	—	—	—
		1	—	34	—	42	—	50	—	58	—	66	—
		2	—	35	—	43	—	51	—	59	—	67	—
		3	—	36	—	44	—	52	—	60	—	68	—
		4	—	37	—	45	—	53	—	61	—	69	—
		5	—	38	—	46	—	54	—	62	—	71	—
		6	—	39	—	47	—	55	—	63	—	C2	—
		7	—	40	—	48	—	56	—	64	—	61K	—

Author's Signature

Elaine Kruel

Date

12/2/96

Read and Understood By

Denise Nachowick

Date

10-1-97

-97

Book Number  
GDS - 5734  
Page 066

Subject

Lipid Assay on Antisera  
from CTP-Peptide Immunized Rabbit.

Project Number

SEARLE

	1	2	3	4	5	6	7	8	9	10	11	12
A	-0.005	0.004	0.246	0.241	0.135	0.133	0.142	0.144	0.244	0.251	-0.001	-0.001
B	0.039	0.042	0.179	0.188	0.185	0.204	0.079	0.079	0.188	0.208	-0.001	-0.001
C	0.080	0.083	0.127	0.128	0.234	0.232	0.053	0.054	0.303	0.294	0.207	0.209
D	0.187	0.167	0.178	0.169	0.125	0.122	0.090	0.089	0.130	0.127	0.382	0.381
E	0.294	0.308	0.167	0.171	0.082	0.080	0.108	0.106	0.100	0.097	0.001	0.000
F	0.436	0.449	0.105	0.101	0.082	0.084	0.057	0.056	0.053	0.057	0.000	0.000
G	0.585	0.600	0.085	0.084	0.085	0.094	0.042	0.045	0.098	0.093	0.001	0.000
H	0.717	0.747	0.132	0.135	0.142	0.137	0.196	0.191	0.475	0.475	0.001	0.001

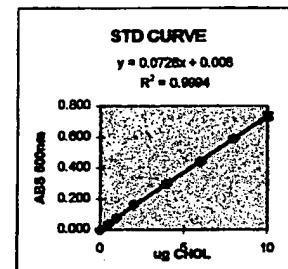
READ DATE:  
11/14/96  
ASSAY NAME:  
111496p1  
PLATE NUMBER:  
READER NUMBER:

CHOLESTEROL ASSAY

ug	MEAN	SD	CALC	STD
STD	OD 1	OD 2	OD	OD
0	-0.005	0.004	-0.001	0.008
0.5	0.039	0.042	0.041	0.002
1	0.080	0.083	0.082	0.002
2	0.167	0.167	0.167	0.000
4	0.294	0.308	0.301	0.010
6	0.436	0.449	0.443	0.008
8	0.585	0.600	0.583	0.011
10	0.717	0.747	0.732	0.021

SAMPLE RESULTS (DUPLICATES)

SAMP.	MEAN		CALC.	CALC.	DF	mg/dl	
NO.	(ml)	OD 1	OD 2	OD	ug	ug/ml	CHOL
1	0.060	0.246	0.241	0.244	0.004	3.236	53.832
2	0.060	0.179	0.188	0.174	0.008	2.274	37.903
3	0.060	0.127	0.128	0.128	0.001	1.642	27.370
4	0.060	0.178	0.189	0.173	0.005	2.260	37.874
5	0.060	0.167	0.171	0.169	0.003	2.212	36.873
6	0.060	0.105	0.101	0.103	0.003	1.306	21.760
7	0.060	0.095	0.094	0.095	0.001	1.189	19.813
8	0.060	0.132	0.135	0.134	0.002	1.725	28.744
9	0.060	0.135	0.133	0.134	0.001	1.732	28.858
10	0.060	0.185	0.204	0.200	0.006	2.631	43.857
11	0.060	0.234	0.232	0.233	0.001	3.092	51.528
12	0.060	0.125	0.122	0.124	0.002	1.587	28.454
13	0.060	0.082	0.080	0.081	0.001	1.003	16.722
14	0.060	0.082	0.084	0.083	0.001	1.031	17.180
15	0.060	0.095	0.094	0.095	0.001	1.189	19.813
16	0.060	0.142	0.137	0.140	0.004	1.807	30.118
17	0.060	0.142	0.144	0.143	0.001	1.855	30.919
18	0.060	0.079	0.079	0.079	0.000	0.978	16.264
19	0.060	0.053	0.054	0.054	0.001	0.626	10.425
20	0.060	0.090	0.089	0.090	0.001	1.120	18.688
21	0.060	0.108	0.108	0.107	0.001	1.381	22.676
22	0.060	0.057	0.058	0.057	0.001	0.667	11.112
23	0.060	0.042	0.045	0.044	0.002	0.488	8.135
24	0.060	0.186	0.191	0.194	0.004	2.549	42.483
25	0.060	0.244	0.251	0.248	0.005	3.291	54.848
26	0.060	0.199	0.208	0.203	0.005	2.873	44.544
27	0.060	0.303	0.294	0.299	0.006	3.892	68.527
28	0.060	0.130	0.127	0.129	0.002	1.656	27.569
29	0.060	0.100	0.097	0.099	0.002	1.244	20.729
30	0.060	0.053	0.057	0.055	0.003	0.848	10.789
31	0.060	0.096	0.093	0.095	0.002	1.189	19.813
32	0.060	0.475	0.475	0.475	0.000	6.417	108.843
blank	0.060	-0.001	-0.001	-0.001	0.000	-0.123	-2.056
blank	0.060	-0.001	-0.001	-0.001	0.000	-0.123	-2.056
Cardio1	0.060	0.207	0.209	0.208	0.001	2.748	45.803
Cardio2	0.060	0.382	0.391	0.387	0.008	5.201	88.877
blank	0.060	0.001	0.000	0.001	0.001	-0.103	-1.711
blank	0.060	0.000	0.000	0.000	0.000	-0.110	-1.826
blank	0.060	0.001	0.000	0.001	0.001	-0.103	-1.711
blank	0.060	0.001	0.001	0.001	0.000	-0.096	-1.597



(ACTUAL)  
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Author's Signature Elaine Kruel Date 12/2/96 Read and Understood By Denise Nachowick Date 10-1-97

Author's X

RLET

Project Number	Subject	Lipid Assay on Anesthesia... continued	Book Number
SEARLE			GDS - 5734
			Page 067

DATE:  
1458  
NAME:  
496p1  
NUMBER:  
  
NUMBER:

1	2	3	4	5	6	7	8	9	10	11	12
-0.001	0.001	0.194	0.182	0.101	0.108	0.162	0.158	0.175	0.174	0.091	0.084
0.041	0.049	0.061	0.062	0.158	0.180	0.124	0.131	0.107	0.107	0.089	0.079
0.087	0.084	0.047	0.048	0.095	0.101	0.147	0.145	0.143	0.133	0.080	0.069
0.160	0.174	0.130	0.131	0.058	0.060	0.100	0.100	0.207	0.212	0.005	0.005
0.319	0.318	0.078	0.079	0.138	0.140	0.082	0.079	0.114	0.118	0.003	0.005
0.452	0.460	0.078	0.080	0.105	0.104	0.321	0.323	0.078	0.075	0.213	0.211
0.584	0.602	0.178	0.168	0.080	0.082	0.191	0.194	0.074	0.073	0.391	0.373
0.733	0.753	0.100	0.100	0.231	0.249	0.171	0.167	0.137	0.139	0.003	0.005

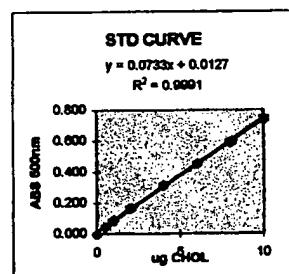
**READ DATE:**  
11/14/98  
**ASSAY NAME:**  
111498,p2  
**PLATE NUMBER**

## CHOLESTEROL ASSAY

CHOLESTEROL ASSAY				MEAN	SD						CALC
ug	OD 1	OD 2	OD	OD			m	b			STD
STD											-0.174
0	-0.001	0.001	0.000	0.001							0.440
0.5	0.041	0.049	0.045	0.006	0.0733	0.0127	#N/A	#N/A	#N/A	#N/A	1.060
1	0.087	0.094	0.091	0.005	0.0009	0.0046	#N/A	#N/A	#N/A	#N/A	2.104
2	0.160	0.174	0.167	0.010	0.0991	0.0087	#N/A	#N/A	#N/A	#N/A	4.156
4	0.319	0.316	0.318	0.002	0.0000	6.000	#N/A	#N/A	#N/A	#N/A	6.044
6	0.452	0.460	0.456	0.008	0.523	0.000	#N/A	#N/A	#N/A	#N/A	7.912
8	0.584	0.602	0.593	0.013							9.858
10	0.733	0.753	0.743	0.014							

#### SAMPLE RESULTS (DUPLICATES)

SAMPLE RESULTS (DUPLICATES)				MEAN	SD	CALC.	CALC.	DF	mg/dl
SAMP.	NO.	(ml)	OD 1	OD 2	OD	OD	ug	ug/ml	CHOL
	33	0.060	0.194	0.182	0.188	0.008	2.380	39.831	20.000
	34	0.060	0.091	0.082	0.082	0.001	1.074	17.900	20.000
	35	0.060	0.047	0.048	0.048	0.001	0.474	7.901	20.000
	36	0.060	0.130	0.131	0.131	0.001	1.606	28.763	20.000
	37	0.060	0.078	0.079	0.079	0.001	0.897	14.946	20.000
	38	0.060	0.078	0.080	0.079	0.001	0.904	15.059	20.000
	39	0.060	0.176	0.168	0.171	0.007	2.158	35.987	20.000
	40	0.060	0.100	0.100	0.100	0.000	1.190	19.832	20.000
	41	0.060	0.101	0.108	0.104	0.004	1.238	20.827	20.000
	42	0.060	0.158	0.160	0.158	0.003	1.861	33.013	20.000
	43	0.060	0.095	0.101	0.098	0.004	1.163	19.377	20.000
	44	0.060	0.056	0.060	0.058	0.003	0.817	10.287	20.000
	45	0.060	0.138	0.140	0.138	0.003	1.708	28.468	20.000
	46	0.060	0.105	0.104	0.105	0.001	1.251	20.855	20.000
	47	0.060	0.080	0.082	0.081	0.001	0.891	15.514	20.000
	48	0.060	0.231	0.249	0.240	0.013	3.099	51.648	20.000
	49	0.060	0.162	0.159	0.161	0.002	2.015	33.581	20.000
	50	0.060	0.124	0.131	0.128	0.005	1.565	26.082	20.000
	51	0.060	0.147	0.145	0.146	0.001	1.817	30.286	20.000
	52	0.060	0.100	0.100	0.100	0.000	1.190	19.832	20.000
	53	0.060	0.082	0.079	0.081	0.002	0.924	15.400	20.000
	54	0.060	0.321	0.323	0.322	0.001	4.217	70.284	20.000
	55	0.060	0.191	0.194	0.193	0.002	2.451	40.854	20.000
	56	0.060	0.171	0.167	0.169	0.003	2.131	35.513	20.000
	57	0.060	0.175	0.174	0.175	0.001	2.206	38.763	20.000
	58	0.060	0.107	0.107	0.107	0.000	1.285	21.423	20.000
	59	0.060	0.143	0.133	0.138	0.007	1.708	28.468	20.000
	60	0.060	0.207	0.212	0.210	0.004	2.683	44.717	20.000
	61	0.060	0.114	0.116	0.115	0.001	1.394	23.241	20.000
	62	0.060	0.078	0.075	0.076	0.001	0.856	14.284	20.000
	63	0.060	0.074	0.073	0.074	0.001	0.829	13.810	20.000
	64	0.060	0.137	0.139	0.138	0.001	1.708	28.468	20.000
	65	0.060	0.091	0.094	0.093	0.002	1.088	18.127	20.000
	66	0.060	0.069	0.075	0.072	0.004	0.808	13.469	20.000
	67	0.060	0.060	0.059	0.060	0.001	0.638	10.628	20.000
blank		0.060	0.005	0.005	0.005	0.000	-0.105	-1.758	20.000
blank		0.060	0.003	0.005	0.004	0.001	-0.119	-1.985	20.000
Cardio1		0.060	0.213	0.211	0.212	0.001	2.717	45.285	40.000
Cardio2		0.060	0.391	0.373	0.382	0.013	5.036	83.919	40.000
blank		0.060	0.003	0.005	0.004	0.001	-0.119	-1.985	20.000



FACTUALS

**Author's Signature**

Part

*Read and Understood By*

Date

10-1-97

Book Number  
GDS - 5734  
Page  
068

Subject

Lipid Assay on Antisera from  
CETP-Pepptide Immunized rabbits

Project Number

SEARLE

	1	2	3	4	5	6	7	8	9	10	11	12
A	-0.001	0.002	0.221	0.226	0.138	0.139	0.100	0.108	0.104	0.108	0.002	0.001
B	0.043	0.055	0.095	0.100	0.135	0.134	0.135	0.130	0.213	0.215	0.004	0.003
C	0.084	0.093	0.208	0.207	0.098	0.104	0.120	0.120	0.088	0.089	0.188	0.201
D	0.169	0.178	0.305	0.303	0.155	0.155	0.112	0.115	0.278	0.271	0.380	0.391
E	0.318	0.331	0.237	0.242	0.078	0.083	0.088	0.090	0.177	0.178	0.003	0.005
F	0.446	0.455	0.211	0.211	0.112	0.112	0.074	0.075	0.108	0.108	0.003	0.006
G	0.598	0.605	0.209	0.209	0.097	0.101	0.060	0.061	0.129	0.128	0.004	0.004
H	0.736	0.744	0.206	0.209	0.218	0.220	0.216	0.198	0.219	0.218	0.002	0.004

READ DATE:  
11/14/96  
ASSAY NAME:  
11149603  
PLATE NUMBER:  
READER NUMBER:

## HDL CHOLESTEROL ASSAY

ug	MEAN	SD	CALC	STD
STD	OD 1	OD 2	OD	OD
0	-0.001	0.002	0.001	0.002
0.5	0.043	0.055	0.049	0.008
1	0.084	0.093	0.089	0.008
2	0.169	0.178	0.174	0.008
4	0.318	0.331	0.324	0.011
6	0.446	0.455	0.451	0.008
8	0.598	0.605	0.601	0.008
10	0.736	0.744	0.740	0.008

mg/dl

## SAMPLE RESULTS (DUPLICATES)

SAMP.	NO.	(ml)	OD 1	OD 2	MEAN	SD	CALC.	CALC.	DF	mg/dl
1	0.080	0.221	0.226	0.224	0.224	0.004	2.847	47.447	5.500	26.096
2	0.080	0.095	0.100	0.098	0.098	0.004	1.124	18.727	5.500	10.300
3	0.080	0.208	0.207	0.208	0.208	0.001	2.828	43.800	5.500	24.090
4	0.080	0.305	0.303	0.304	0.304	0.001	3.948	65.788	5.500	36.188
5	0.080	0.237	0.242	0.240	0.240	0.004	3.068	51.094	5.500	28.102
6	0.080	0.211	0.211	0.211	0.211	0.000	2.878	44.588	5.500	24.529
7	0.080	0.209	0.209	0.209	0.209	0.000	2.849	44.142	5.500	24.278
8	0.080	0.208	0.209	0.208	0.208	0.002	2.828	43.800	5.500	24.090
9	0.080	0.138	0.139	0.139	0.139	0.001	1.884	28.073	5.500	15.440
10	0.080	0.135	0.134	0.135	0.135	0.001	1.830	27.181	5.500	14.938
11	0.080	0.098	0.104	0.101	0.104	0.004	1.171	18.525	5.500	10.739
12	0.080	0.155	0.155	0.155	0.155	0.000	1.910	31.833	5.500	17.508
13	0.080	0.078	0.083	0.080	0.080	0.005	0.877	14.824	5.500	8.043
14	0.080	0.112	0.112	0.112	0.112	0.000	1.322	22.032	5.500	12.118
15	0.080	0.087	0.101	0.089	0.089	0.003	1.144	18.069	5.500	10.488
16	0.080	0.216	0.220	0.218	0.218	0.003	2.772	48.193	5.500	25.408
17	0.080	0.100	0.106	0.103	0.104	0.004	1.189	19.881	5.500	10.989
18	0.080	0.135	0.130	0.133	0.133	0.004	1.802	28.705	5.500	14.688
19	0.080	0.120	0.120	0.120	0.120	0.000	1.431	23.856	5.500	13.121
20	0.080	0.112	0.115	0.114	0.114	0.002	1.342	22.374	5.500	12.308
21	0.080	0.066	0.060	0.068	0.068	0.003	0.894	18.582	5.500	9.109
22	0.080	0.074	0.075	0.075	0.075	0.001	0.809	13.485	5.500	7.417
23	0.080	0.080	0.061	0.061	0.061	0.001	0.618	10.284	5.500	5.861
24	0.080	0.216	0.198	0.207	0.207	0.013	2.821	43.688	5.500	24.027
25	0.080	0.104	0.108	0.106	0.106	0.003	1.240	20.665	5.500	11.368
26	0.080	0.213	0.215	0.214	0.214	0.001	2.717	45.282	5.500	24.905
27	0.080	0.088	0.089	0.089	0.089	0.001	1.001	18.678	5.500	9.172
28	0.080	0.279	0.271	0.275	0.275	0.008	3.551	59.188	5.500	32.552
29	0.080	0.177	0.178	0.178	0.178	0.001	2.218	38.982	5.500	20.329
30	0.080	0.108	0.108	0.108	0.108	0.000	1.267	21.120	5.500	11.616
31	0.080	0.129	0.128	0.129	0.129	0.001	1.548	25.783	5.500	14.188
32	0.080	0.218	0.218	0.219	0.219	0.001	2.778	48.307	5.500	25.469
blank	0.080	0.002	0.001	0.002	0.001	0.001	-0.189	-3.155	5.500	-1.735
blank	0.080	0.004	0.003	0.004	0.001	0.001	-0.162	-2.689	5.500	-1.484
Cardio1	0.080	0.188	0.201	0.195	0.199	0.009	2.450	40.837	40.000	163.348
Cardio2	0.080	0.360	0.391	0.391	0.391	0.001	5.131	85.512	40.000	342.050
blank	0.080	0.003	0.005	0.004	0.001	0.001	-0.155	-2.585	20.000	-5.170
blank	0.080	0.003	0.008	0.005	0.002	0.001	-0.148	-2.471	20.000	-4.942
blank	0.080	0.004	0.004	0.004	0.000	0.001	-0.155	-2.585	20.000	-5.170
blank	0.080	0.002	0.004	0.003	0.001	0.001	-0.169	-2.813	20.000	-5.826

(ACTUAL)

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**ARLE**

Project Number <b>SEARLE</b>	Subject <i>Lipid Assay on Amheria.... Continued</i>	Book Number <b>GDS -</b>
		Page <b>069</b>

READ DATE:  
11/14/96  
ASSAY NAME:  
111496p3  
PLATE NUMBER:  
ADER NUMBER:

	1	2	3	4	5	6	7	8	9	10	11	12
A	-0.002	0.002	0.203	0.204	0.265	0.279	0.182	0.191	0.277	0.278	0.178	0.173
B	0.044	0.050	0.105	0.108	0.248	0.250	0.187	0.188	0.198	0.201	0.165	0.162
C	0.089	0.095	0.083	0.083	0.180	0.173	0.252	0.263	0.289	0.293	0.114	0.115
D	0.157	0.173	0.161	0.160	0.133	0.133	0.157	0.163	0.244	0.244	0.003	0.003
E	0.305	0.320	0.126	0.129	0.268	0.270	0.184	0.169	0.165	0.167	0.008	0.003
F	0.449	0.484	0.165	0.165	0.174	0.174	0.161	0.167	0.149	0.150	0.200	0.199
G	0.589	0.595	0.233	0.232	0.168	0.171	0.150	0.149	0.135	0.138	0.390	0.383
H	0.727	0.734	0.161	0.164	0.193	0.191	0.232	0.223	0.178	0.182	0.005	0.008

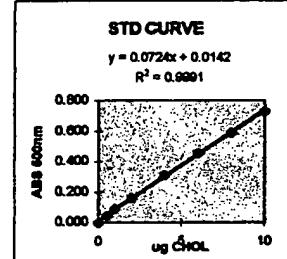
READ DATE:  
11/14/96  
ASSAY NAME:  
111496p4  
PLATE NUMBER:  
READER NUMBER:

**HDL CHOLESTEROL ASSAY**

ug	MEAN	SD	CALC	STD
STD	OD 1	OD 2	OD	OD
0	-0.002	0.002	0.000	0.003
0.5	0.044	0.050	0.047	0.004
1	0.089	0.095	0.092	0.004
2	0.157	0.173	0.165	0.011
4	0.305	0.320	0.313	0.011
6	0.449	0.484	0.457	0.011
8	0.589	0.595	0.592	0.004
10	0.727	0.734	0.731	0.005

**SAMPLE RESULTS (DUPLICATES)**

SAMP.	NO.	(ml)	OD 1	OD 2	OD	SD	CALC.	CALC.	DF	mg/dl	CHOL
33	0.060	0.203	0.204	0.204	0.001	2.813	43.554	5.500	23.955		
34	0.060	0.105	0.108	0.107	0.002	1.274	21.239	5.500	11.682		
35	0.060	0.083	0.083	0.083	0.000	0.850	15.833	5.500	8.708		
36	0.060	0.161	0.160	0.161	0.001	2.020	33.862	5.500	18.514		
37	0.060	0.126	0.129	0.128	0.002	1.584	28.070	5.500	14.339		
38	0.060	0.165	0.165	0.165	0.000	2.082	34.897	5.500	19.083		
39	0.060	0.233	0.232	0.233	0.001	3.014	50.226	5.500	27.624		
40	0.060	0.161	0.164	0.163	0.002	2.047	34.122	5.500	18.767		
41	0.060	0.285	0.279	0.282	0.004	3.897	61.613	5.500	33.887		
42	0.060	0.248	0.250	0.249	0.001	3.241	54.022	5.500	29.712		
43	0.060	0.180	0.173	0.177	0.005	2.241	37.343	5.500	20.539		
44	0.060	0.133	0.133	0.133	0.000	1.840	27.336	5.500	15.036		
45	0.060	0.268	0.270	0.268	0.003	3.504	58.363	5.500	32.116		
46	0.060	0.174	0.174	0.174	0.000	2.206	38.768	5.500	20.222		
47	0.060	0.168	0.171	0.170	0.002	2.144	38.733	5.500	19.663		
48	0.060	0.193	0.191	0.192	0.001	2.455	40.909	5.500	22.500		
49	0.060	0.182	0.191	0.187	0.006	2.379	39.843	5.500	21.804		
50	0.060	0.187	0.188	0.188	0.001	2.392	39.873	5.500	21.930		
51	0.060	0.252	0.263	0.258	0.008	3.359	55.977	5.500	30.787		
52	0.060	0.157	0.163	0.160	0.004	2.013	33.547	5.500	18.451		
53	0.060	0.164	0.169	0.167	0.004	2.103	35.042	5.500	19.273		
54	0.060	0.161	0.167	0.164	0.004	2.068	34.467	5.500	18.957		
55	0.060	0.150	0.149	0.150	0.001	1.868	31.131	5.500	17.122		
56	0.060	0.232	0.223	0.228	0.006	2.945	49.076	5.500	26.992		
57	0.060	0.277	0.278	0.278	0.001	3.635	60.578	5.500	33.318		
58	0.060	0.198	0.201	0.200	0.002	2.558	42.634	5.500	23.449		
59	0.060	0.289	0.293	0.281	0.003	3.821	63.684	5.500	35.026		
60	0.060	0.244	0.244	0.244	0.000	3.172	52.871	5.500	29.079		
61	0.060	0.165	0.167	0.166	0.001	2.096	34.927	5.500	19.210		
62	0.060	0.149	0.150	0.150	0.001	1.868	31.131	5.500	17.122		
63	0.060	0.135	0.138	0.137	0.002	1.688	28.141	5.500	15.477		
64	0.060	0.179	0.182	0.181	0.002	2.296	38.263	5.500	21.045		
65	0.060	0.178	0.173	0.176	0.004	2.227	37.113	5.500	20.412		
66	0.060	0.165	0.162	0.164	0.002	2.061	34.352	5.500	18.894		
67	0.060	0.114	0.115	0.115	0.001	1.385	23.080	5.500	12.694		
blank	0.060	0.003	0.003	0.003	0.000	-0.154	-2.571	5.500	-1.414		
blank	0.060	0.008	0.008	0.008	0.004	-0.120	-1.996	5.500	-1.086	(ACTUAL)	
Cardio1	0.060	0.200	0.199	0.200	0.001	2.558	42.634	40.000	170.536	191	
Cardio2	0.060	0.390	0.383	0.387	0.005	5.139	65.654	40.000	342.616	361	
blank	0.060	0.005	0.008	0.007	0.002	-0.108	-1.766	20.000	-3.532		



Author's Signature *[Signature]* Date *12/2/96* Read and Understood By *Denise Nachowitz* Date *10-1-97*

0-1-97

RLE

Project Number <b>SEARLE</b>	Subject <i>CETP Transfer Activity in sera from CETP-Pepide Immunized Rabbit</i>	Book Number <b>GDS - 5734</b>
		Page <b>073</b>

See Ben Kekic Notebook #5748, p. 151 for the CETP activity assay raw data. Below are the summaries.

Assay used 1:20 dilution of rabbit serum & conducted for 4 hr incubation.

Rabbit 07 below was the only CETP activity that decreased concomitantly with an elevation of HDL (see previous page).

7 TC  
7 HDL-C  
8 TC  
8 HDL-C

350 40

TC  
HDL-C  
1 TC  
1 HDL-C

100

an why.  
+ that

appeared  
CETP-7 imm.

RAB SERA	PLATE 1	BLANK	10610.5						
CETP 618		CPM	CPM	CPM	% T	% T	% T	AVE % T	ST DEV
11/27/96	BLANK	10708.3	11038.6	10653					
	BLANK	10233.1	10087.6	10687.6					
	BLANK	11209.7	10987.6	11034.3					
	BLANK	10576.5	10234.2	11084.2					
	BLANK	10676.2	10625	10053.5					
	BLANK	10047.5	10189.6	10902.1					
	POS	2254.77	2740.44	2171.42	78.75	74.17	79.54	77.49	2.90
	NEG	9629.3	9864.26	9518.62	9.25	7.03	10.29	8.88	1.68
1 Rab01 pre 10/27/95	9012.24	9502.85	8241.26	15.06	10.44	22.33	15.94	5.99	
2 Rab01 12/4/95	8259.51	8728.84	8249.06	22.16	17.75	22.26	20.72	2.57	
3 Rab01 3/8/96	10566.2	9323.15	9636.1	0.42	12.13	10.13	7.56	6.27	
4 Rab02 pre 10/27/95	10114.1	8181.17	8412.6	4.68	22.90	20.71	16.10	9.95	
5 Rab02 12/4/95	10136	9739.06	8983.88	4.47	8.21	15.33	9.34	5.52	
6 Rab02 3/8/96	9302.78	9212.79	8725.57	12.32	13.17	17.78	14.42	2.93	
7 Rab02 10/25/96	8419.03	8191.19	8428.82	20.65	22.80	20.58	21.35	1.26	
8 Rab03 pre 10/27/95	8792.16	8908.49	8186.75	17.14	16.06	22.75	18.65	3.59	
9 Rab03 12/4/95	8743.68	9119.06	9092.86	17.59	14.06	14.30	15.32	1.98	
10 Rab04 pre 10/27/95	8119.24	7743.19	8836.78	23.48	27.02	16.72	22.41	5.24	
11 Rab04 12/4/95	8825.17	7544.31	8308.22	15.88	28.90	21.70	22.16	6.52	
12 Rab05 pre 10/27/95	8381.97	7789.06	8647.97	21.00	26.59	18.50	22.03	4.14	
13 Rab05 12/4/95	9813.49	9203.83	9682.6	7.51	13.26	8.83	9.80	2.99	
14 Rab06 pre 10/27/95	9846.44	9315.92	9067.38	7.20	12.20	14.54	11.31	3.75	
15 Rab06 12/4/95	9620.38	8990.1	9737.27	9.33	15.27	8.23	10.94	3.79	
*16 Rab07 pre 10/27/95	9309.37	8929.87	9379.81	12.26	15.84	11.60	13.23	2.28	
17 Rab07 12/4/95	8378.32	8160.07	8082.44	21.04	23.09	24.01	22.72	1.52	
18 Rab07 3/8/96	7948.98	8771.81	8647.07	25.08	17.33	18.50	20.31	4.18	
19 Rab07 10/25/96	10046.1	10291.7	10192.9	5.32	3.00	3.94	4.09	1.16	
20 Rab08 pre 10/27/95	9051.83	9461.79	9240.05	14.69	10.83	12.92	12.81	1.93	
21 Rab08 12/4/95	9255.08	9036.05	9149.94	12.77	14.84	13.77	13.79	1.03	
22 Rab08 3/8/96	8774.37	9884.1	8833.82	17.30	6.85	16.74	13.63	5.88	
23 Rab08 10/25/96	9258.79	10007.7	9752.97	12.74	5.68	8.08	8.83	3.59	
24 Rab08 pre 10/27/95	9322.28	9849.85	8886.41	12.14	7.17	16.25	11.85	4.55	

Author's Signature <i>Elaine Kull</i>	Date <i>12/2/96</i>	Read and Understood By <i>Denise Nachowick</i>	Date <i>10-1-97</i>
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Book Number <b>GDS - 5734</b>	Subject <i>CETP transfer Achivity of Anheera from CETP-Pephae Immunized Rabbit</i>	Project Number <b>SEARLE</b>
Page <b>074</b>		

RAB SERA	PLATE 2							
		BLANK	10503.0					
11/27/96		CPM	CPM	CPM	% T	% T	% T	AVE % T ST DEV
	BLANK	11282.2	10339.9	10494.8				
	BLANK	11017.4	11239.6	9986.81				
	BLANK	11006.6	11586.5	10983.2				
	BLANK	11114.8	10649.8	10276.2				
	BLANK	7210.34	10757.7	10340.8				
	BLANK	9808.3	10603.1	10356.1				
	POS	1973.51	2451.96	2474.61	81.21	76.65	76.44	78.10 2.69
	NEG	9809.02	10570.6	9869.69	6.61	-0.64	6.03	4.00 4.03
25	Rab09 12/4/95	9585.36	8612.11	8683.51	8.74	18.00	17.32	14.69 5.16
26	Rab010 pre 10/27/95	9191.15	8489.56	8887.09	12.49	19.17	15.39	15.68 3.35
27	Rab010 12/4/95	8071.4	7608.58	7770.91	23.15	27.56	26.01	25.57 2.24
28	Rab1 pre 5/30/95	8363.19	7508.84	8132.82	20.37	28.51	22.57	23.82 4.21
29	Rab1 7/5/95	9113.94	8269.4	8413.38	13.23	21.27	19.90	18.13 4.30
30	Rab1 10/5/95	8318.46	8156.34	8187.48	20.80	22.34	22.05	21.73 0.82
31	Rab1 3/8/96	10379.7	8945.67	9019.57	1.17	14.83	14.12	10.04 7.69
32	Rab2 pre 5/30/95	8298.45	8121.16	8340.71	20.99	22.68	20.59	21.42 1.11
33	Rab2 7/5/95	7370.99	8480.89	8384.95	29.82	19.25	20.17	23.08 5.85
34	Rab2 10/5/95	7666.33	8402.66	8714.38	27.01	20.00	17.03	21.35 5.12
35	Rab2 3/8/96	9285.39	9895.01	9315.07	11.59	5.79	11.31	9.56 3.27
36	Rab3 pre 5/30/95	9571.67	9752.46	9427.22	8.87	7.15	10.24	8.75 1.55
37	Rab3 7/5/95	9066.08	9559.74	9427.08	13.68	8.98	10.24	10.97 2.43
38	Rab3 8/9/95	8999.02	9667.69	8402.9	14.32	7.95	20.00	14.09 6.02
39	Rab4 pre 5/30/95	8019.45	8212.66	7808.4	23.65	21.81	25.66	23.70 1.93
40	Rab4 7/5/95	9453.04	9090.95	8065.25	10.00	13.44	23.21	15.55 6.85
41	Rab4 8/9/95	8089.22	9194.37	8746.71	22.98	12.46	16.72	17.39 5.29
42	Rab5 pre 5/30/95	8829.54	9717.02	8952.29	15.93	7.48	14.76	12.73 4.58
43	Rab5 7/5/95	8516.51	9987.64	9604.42	18.91	4.91	8.56	10.79 7.27
44	Rab5 8/9/95	9072.69	9874.18	9412.75	13.62	5.99	10.38	10.00 3.83
45	Rab6 pre 5/30/95	8469.02	9238.24	9653.13	19.37	12.04	8.09	13.17 5.72
46	Rab6 7/5/95	8991.33	9504.15	9788.33	14.39	9.51	6.80	10.24 3.85
47	Rab6 8/9/95	7722.64	8505.77	8486.19	26.47	19.02	19.20	21.56 4.25
48	Rab7 pre 5/30/95	8240.6	9020.81	8988.58	21.54	14.11	14.42	16.69 4.20

Rabbit 2 showed ↓ CETP at fast bleed. This rabbit had consistent decrease in total cholesterol - indicates either poor health or overall ↓ lipoprotein synthesis & this may account for ↓ CETP activity (low CETP may due to ↓ Serum cholesterol). Other rabbit # did not show this, ∴ probably unrelated to immunization.

Author's Signature <i>Elaine Kral</i>	Date <i>12/2/96</i>	Read and Understood By <i>Denise Nachowick</i>	Date <i>10-1-97</i>
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RLE

Project Number <b>SEARLE</b>	Subject <i>CETP Transfer Activity in Antisera from CETP-Pepdte Immunized Rabbits</i>	Book Number <b>GDS - 5734</b>
		Page <b>075</b>

RAB SERA	PLATE 3									
CETP818			BLANK	10641.7						
11/27/96										
		CPM	CPM	CPM	% T	% T	% T	AVE % T	ST DEV	
		BLANK	11755	11175.2	11040.6					
		BLANK	10591.1	10163.1	11345.6					
		BLANK	10656.6	10384.9	11051.5					
		BLANK	9925.84	9460.2	10845.5					
		BLANK	10694.9	10054.4	10636.4					
		BLANK	10326.9	10346.4	11097.2					
		POS	2089.87	2422.13	2399.78	80.36	77.24	77.45	78.35	1.75
		NEG	10534.1	9918.48	9540.3	1.01	6.80	10.35	6.05	4.71
49	Rab7 7/5/95		9237.54	8913	8333.44	13.20	16.24	21.69	17.04	4.30
50	Rab7 8/9/95		8258.68	8941.53	8852.33	22.39	15.98	16.82	18.40	3.49
51	Rab8 pre 5/30/95		8512.38	8896.61	8121.48	20.01	16.40	23.68	20.03	3.64
52	Rab8 7/5/95		9413.3	8910.75	9439.19	11.54	16.27	11.30	13.04	2.80
53	Rab8 8/9/95		8694.87	8989.74	8716.37	18.29	15.52	18.09	17.30	1.54
54	Rab9 pre 5/30/95		7720.48	8551.09	7977.01	27.45	19.65	25.04	24.05	4.00
55	Rab9 7/5/95		7750.23	8723.74	9015.18	27.17	18.02	15.28	20.16	6.22
56	Rab9 8/9/95		8055.35	8291.32	7873.01	24.30	22.09	26.02	24.14	1.97
57	Rab10 pre 5/30/95		8579.67	7909.08	8875	19.38	25.68	16.60	20.55	4.65
58	Rab10 7/5/95		9027.55	8162.52	8941.2	15.17	23.30	15.98	18.15	4.48
59	Rab10 8/9/95		8578.41	8976.45	8962.59	19.39	15.65	15.78	16.94	2.12
60	Rab11 pre 5/30/95		8344.44	8058.18	8349.21	21.59	24.28	21.54	22.47	1.57
61	Rab11 7/5/95		9097.25	9635.55	9635.24	14.51	9.46	9.46	11.14	2.92
62	Rab11 10/5/95		9932.16	9223.43	9531.58	6.67	13.33	10.43	10.14	3.34
63	Rab11 3/8/96		10474.1	9505.89	9884.74	1.58	10.67	7.11	6.45	4.58
64	Rab12 pre 5/30/95		9460.02	8476.52	8583.1	11.10	20.35	19.34	16.93	5.07
65	Rab12 7/5/95		8598.62	10379.7	9104.66	19.20	2.46	14.44	12.04	8.62
66	Rab12 10/5/95		7502.73	9091.06	7972.8	29.50	14.57	25.08	23.05	7.67
67	Rab12 3/8/96		8929.18	10351.3	9343.77	16.09	2.73	12.20	10.34	6.87
			10594	11717	11683.6	0.45	-10.10	-9.79	-6.48	6.00
			10874.6	12001.5	11596.5	-2.19	-12.78	-8.97	-7.98	5.36
			9719.78	11477.5	10783.6	8.66	-7.85	-1.33	-0.17	8.32
			10826.9	11947	10791.4	-1.76	-12.27	-1.41	-5.14	6.17
			11358.3	12153.7	11568.4	-6.73	-14.21	-8.71	-9.88	3.87

Rabbit 11 showed ↓ CETP activity.  
See p. 071 to note that HDL was not elevated  
in this rabbit. Total cholesterol dropped over time.  
This may contribute to ↓ CETP mass due to ↓ serum  
cholesterol.

Note: Can't really understand why cholesterols  
appear to drop over time for most rabbits. May  
be diet switch, but seems to take a long time.

Author's Signature Elaine Krul Date 12/2/96 Read and Understood By Denise Nachowak Date 10-1-97

-1-97

Book Number  
**GDS - 5734**  
Page  
**076**

Subject:

FPLC Analysis on Rabbit 08  
from CTP-Peptide  
Immunizations

Project Number

**SEARLE**

Project

Reformed on 10/31/96.

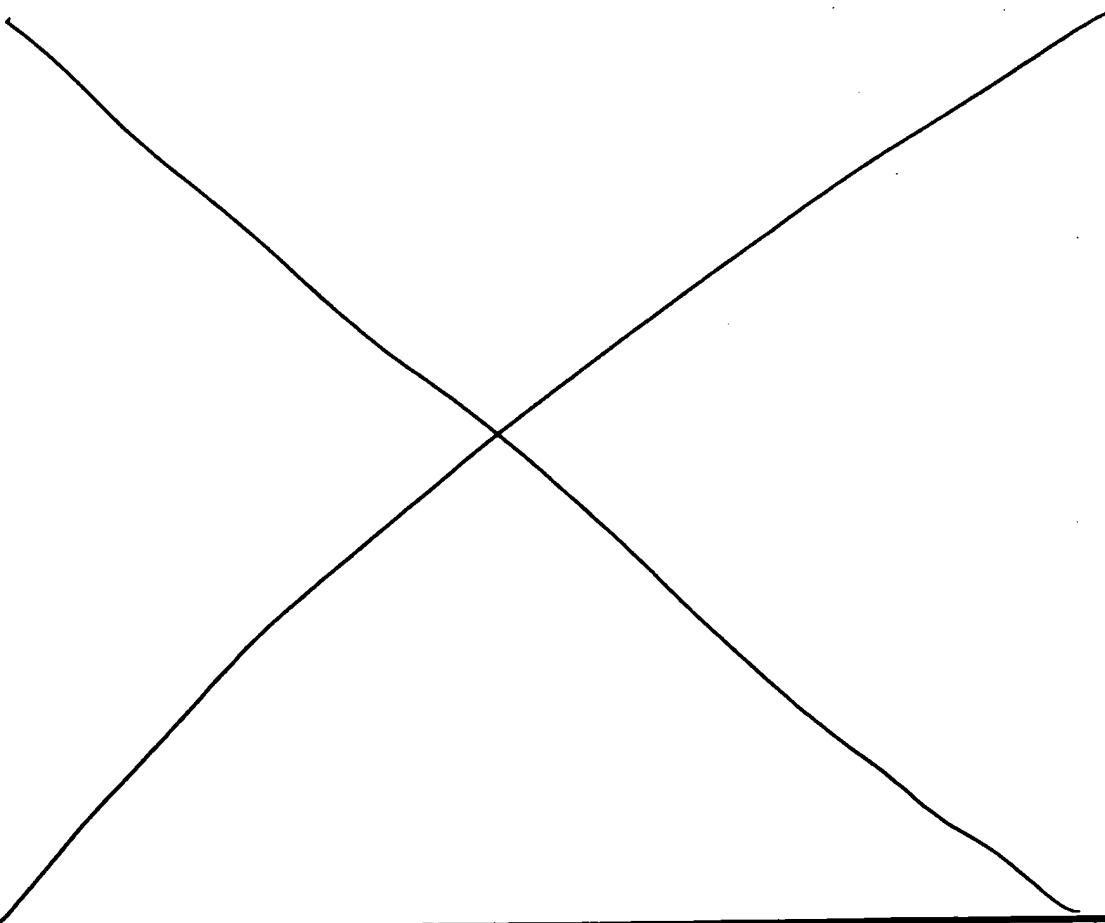
375 $\mu$ l serum added to 375 $\mu$ l EDTA-saline



filtered thru 0.22 $\mu$ m

500 $\mu$ l applied to column ( $\therefore$  250 $\mu$ l of serum  
applied on column)

Collected 500 $\mu$ l fractions, used 60 $\mu$ l for assay.



Author's Signature Elaine Kruel Date 12/2/96 Read and Understood By Denise Nachowisk Date 10-1-97

Author's

Project Number  
**SEARLE**

Subject

FPLC Analysis on Rabbit IgG  
from CTP-Peptide.  
Immunizations

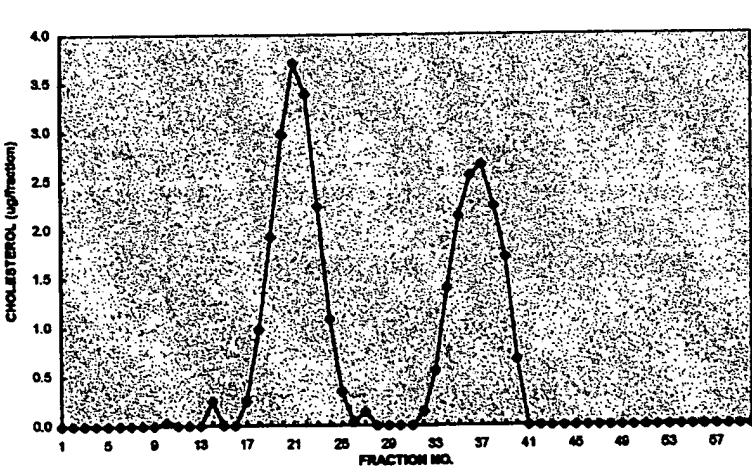
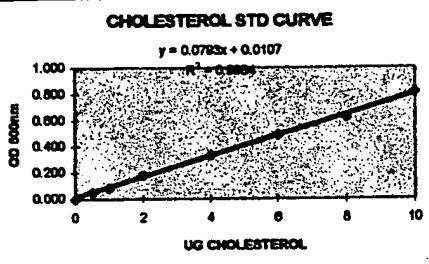
Book Number  
**GDS - 5734**  
Page  
**077**

	1	2	3	4	5	6	7	8	9	10	11	12
A	-0.003	0.003	-0.003	0.008	0.013	0.014	0.016	0.001	0.001	0.001	-0.008	-0.008
B	0.047	0.054	0.003	0.011	0.020	0.011	0.024	0.005	-0.001	-0.003	-0.010	-0.010
C	0.088	0.091	0.005	0.001	0.029	0.012	0.031	0.005	-0.001	-0.001	-0.010	-0.010
D	0.174	0.192	-0.001	0.003	0.039	0.005	0.035	0.005	0.001	0.001	-0.008	-0.010
E	0.328	0.342	-0.001	0.001	0.048	-0.003	-0.036	-0.001	-0.001	-0.001	-0.008	-0.010
F	0.473	0.507	0.001	0.013	0.043	0.005	0.032	0.001	-0.001	0.764	-0.008	-0.010
G	0.629	0.615	0.001	0.005	0.032	0.007	0.027	0.003	-0.001	1.544	-0.010	-0.010
H	0.801	0.829	0.005	0.009	0.021	0.012	0.017	0.001	-0.002	-0.002	-0.008	-0.010

READ DATE:  
11/1/96  
ASSAY NAME:  
PLATE NUMBER:  
110196p1  
READER NUMBER:

CHOLESTEROL ASSAY

ug	MEAN	SD	CALC								
STD	OD 1	OD 2	STD								
0	-0.003	0.003	0.000	0.004	m	b	#N/A	#N/A	#N/A	#N/A	-0.194
0.5	0.047	0.054	0.051	0.005	0.0783	0.0107	#N/A	#N/A	#N/A	#N/A	0.502
1	0.088	0.091	0.089	0.004	0.0013	0.0069	#N/A	#N/A	#N/A	#N/A	0.981
2	0.174	0.192	0.183	0.013	0.0884	0.0129	#N/A	#N/A	#N/A	#N/A	2.172
4	0.328	0.342	0.335	0.010	0.0000	6.000	#N/A	#N/A	#N/A	#N/A	4.088
8	0.473	0.507	0.490	0.024	0.612	0.001	#N/A	#N/A	#N/A	#N/A	8.042
10	0.629	0.616	0.623	0.009							7.712
	0.801	0.829	0.815	0.020							10.138



Author's Signature

*Elaine Krul*

Date

*12/2/96*

Read and Understood By

*Denise Nachowick*

Date

*10-1-97*

Book Number  
GDS - 5734  
Page 078

Subject

FPUC - Rabbit 08

Project Number

**SEARLE**

Project #

S

SAMPLE RESULTS (SINGLICATES)

SAMP.	NO.	(ml)	OD	CALC ug	CALC ug/ml	FXN VOL	ug FXN	OMIT (-)	TOTAL LIPID
1	0.060	-0.003	-0.172	-2.870	0.500	-1.435	0.000	31.448	
2	0.060	0.003	-0.097	-1.610	0.500	-0.805	0.000		
3	0.060	0.005	-0.071	-1.190	0.500	-0.595	0.000		
4	0.060	-0.001	-0.147	-2.450	0.500	-1.225	0.000		
5	0.060	-0.001	-0.147	-2.450	0.500	-1.225	0.000	VLDL(5-13)	
6	0.060	0.001	-0.122	-2.030	0.500	-1.015	0.000	0.035	
7	0.060	0.001	-0.122	-2.030	0.500	-1.015	0.000	%	
8	0.060	0.005	-0.071	-1.190	0.500	-0.595	0.000	0.11	
9	0.060	0.009	-0.021	-0.349	0.500	-0.175	0.000		
10	0.060	0.011	0.004	0.071	0.500	0.035	0.035		
11	0.060	0.001	-0.122	-2.030	0.500	-1.015	0.000		
12	0.060	0.003	-0.097	-1.610	0.500	-0.805	0.000		
13	0.060	0.001	-0.122	-2.030	0.500	-1.015	0.000		
14	0.060	0.013	0.029	0.491	0.500	0.245	0.245	LDL(14-29)	
15	0.060	0.005	-0.071	-1.190	0.500	-0.595	0.000	17.335	
16	0.060	0.009	-0.021	-0.349	0.500	-0.175	0.000	%	
17	0.060	0.013	0.029	0.491	0.500	0.245	0.245	55.12	
18	0.060	0.02	0.118	1.861	0.500	0.981	0.981		
19	0.060	0.029	0.231	3.852	0.500	1.926	1.926		
20	0.060	0.039	0.357	5.953	0.500	2.976	2.976		
21	0.060	0.046	0.445	7.423	0.500	3.712	3.712		
22	0.060	0.043	0.408	6.793	0.500	3.396	3.396		
23	0.060	0.032	0.268	4.482	0.500	2.241	2.241		
24	0.060	0.021	0.130	2.171	0.500	1.086	1.086		
25	0.060	0.014	0.042	0.701	0.500	0.350	0.350		
26	0.060	0.011	0.004	0.071	0.500	0.035	0.035		
27	0.060	0.012	0.017	0.281	0.500	0.140	0.140		
28	0.060	0.005	-0.071	-1.190	0.500	-0.595	0.000		
29	0.060	0.003	-0.097	-1.610	0.500	-0.805	0.000		
30	0.060	0.005	-0.071	-1.190	0.500	-0.595	0.000	HDL(30-47)	
31	0.060	0.007	-0.046	-0.770	0.500	-0.385	0.000	14.078	
32	0.060	0.012	0.017	0.281	0.500	0.140	0.140	%	
33	0.060	0.016	0.087	1.121	0.500	0.561	0.561	44.77	
34	0.060	0.024	0.168	2.802	0.500	1.401	1.401		
35	0.060	0.031	0.258	4.272	0.500	2.136	2.136		
36	0.060	0.035	0.307	5.112	0.500	2.556	2.556		
37	0.060	0.038	0.319	5.322	0.500	2.681	2.681		
38	0.060	0.032	0.269	4.482	0.500	2.241	2.241		
39	0.060	0.027	0.208	3.432	0.500	1.716	1.716		
40	0.060	0.017	0.060	1.331	0.500	0.688	0.688		
41	0.060	0.001	-0.122	-2.030	0.500	-1.015	0.000		
42	0.060	0.005	-0.071	-1.190	0.500	-0.595	0.000		
43	0.060	0.005	-0.071	-1.190	0.500	-0.595	0.000		
44	0.060	0.005	-0.071	-1.190	0.500	-0.595	0.000		
45	0.060	0.001	-0.122	-2.030	0.500	-1.015	0.000		
46	0.060	0.001	-0.122	-2.030	0.500	-1.015	0.000		
47	0.060	0.003	-0.087	-1.610	0.500	-0.805	0.000		
48	0.060	0.001	-0.122	-2.030	0.500	-1.015	0.000		
49	0.060	0.001	-0.122	-2.030	0.500	-1.015	0.000		
50	0.060	-0.001	-0.147	-2.450	0.500	-1.225	0.000		
51	0.060	-0.001	-0.147	-2.450	0.500	-1.225	0.000		
52	0.060	0.001	-0.122	-2.030	0.500	-1.015	0.000		
53	0.060	0.001	-0.122	-2.030	0.500	-1.015	0.000		
54	0.060	-0.001	-0.147	-2.450	0.500	-1.225	0.000		
55	0.060	-0.001	-0.147	-2.450	0.500	-1.225	0.000		
56	0.060	-0.002	-0.160	-2.660	0.500	-1.330	0.000		
57	0.060	0.001	-0.122	-2.030	0.500	-1.015	0.000		
58	0.060	-0.003	-0.172	-2.870	0.500	-1.435	0.000		
59	0.060	-0.001	-0.147	-2.450	0.500	-1.225	0.000		
60	0.060	0.001	-0.122	-2.030	0.500	-1.015	0.000		
61	0.060	-0.001	-0.147	-2.450	0.500	-1.225	0.000	ACTUAL	
Cardio1	0.060	0.784	0.764	12.733	10.000	127.333	184		
Cardio2	0.060	1.544	1.544	25.733	10.000	257.333	361		
	0.060	-0.002	-0.160	-2.660	10.000	-26.602			

Author's Signature

Elaine Kruel

Date

12/04/96

Read and Understood By

Denise Nachowick

User

10-1-97

Author's

Y

Project Number  
**SEARLE**

Subject

*FPC-Rabbit 08*

Book Number

**GDS - 5734**

Page

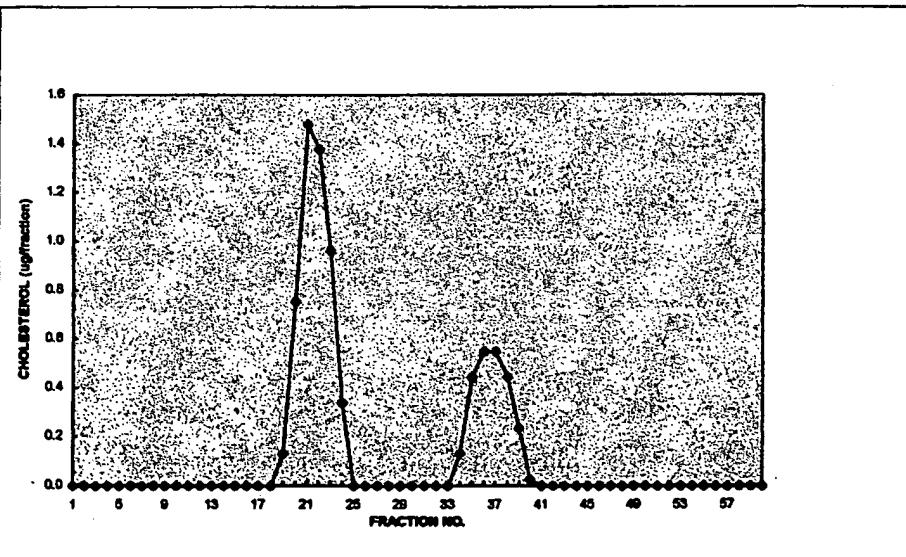
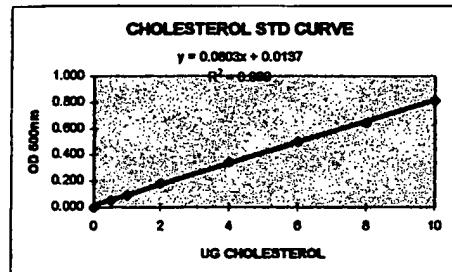
**079**

	1	2	3	4	5	6	7	8	9	10	11	12
A	-0.001	0.001	0.001	0.006	0.009	0.013	0.010	0.010	0.003	0.003	-0.005	0.003
B	0.050	0.057	0.001	0.009	0.010	0.010	0.015	0.008	0.008	0.001	-0.005	-0.005
C	0.083	0.097	0.002	0.005	0.015	0.008	0.018	0.009	0.005	0.003	-0.005	-0.005
D	0.178	0.187	0.001	0.004	0.021	0.008	0.019	0.007	0.004	0.003	-0.005	-0.006
E	0.336	0.358	0.002	0.003	0.028	0.006	0.019	0.006	0.004	0.003	-0.004	-0.005
F	0.505	0.496	0.002	0.005	0.027	0.007	0.018	0.005	0.003	0.750	-0.005	-0.005
G	0.670	0.668	0.002	0.010	0.023	0.008	0.016	0.004	0.004	1.521	-0.005	-0.004
H	0.818	0.817	0.006	0.007	0.017	0.009	0.014	0.005	0.003	0.003	-0.004	-0.005

READ DATE:  
11/1/96  
ASSAY NAME:  
PLATE NUMBER:  
11019602  
READER NUMBER:

CHOLESTEROL ASSAY

ug	MEAN	SD	CALC	
STD	OD 1	OD 2	STD	
0	-0.001	0.001	0.000	0.001
0.5	0.050	0.057	0.054	0.005
1	0.093	0.097	0.085	0.003
2	0.178	0.187	0.183	0.006
4	0.336	0.358	0.347	0.016
6	0.505	0.496	0.501	0.008
8	0.670	0.616	0.643	0.038
10	0.818	0.817	0.818	0.001



Author's Signature

*Elaine Kruel*

Date

*12/2/96*

Read and Understood By

*Denise Nachowick*

Date

*10-1-97*

-1-97

Project Number <b>SEARLE</b>	Subject <i>Pocono Rabbits - CETP Immunization Results</i>	Book Number <b>GDS - 5734</b>
		Page <b>083</b>

Debbie Heuvelman organized the immunization of 1 goat and 2 rabbits with Human recombinant CETP at Pocono Farms.

Summarized here are the results obtained by Annette Frick on the inhibitory activity of the purified IgGs from these animals.

See Annette Frick's notebook 6865 pp. 063 - for raw data.

From: ANNETTE G FRICK at MONSL708  
 Date: 9/23/96 11:25 AM  
 Priority: Normal  
 Receipt Requested  
 TO: ELAINE S KRUL at MONRCC02  
 CC: DEBORAH M HEUVELMAN  
 Subject: Pocono Antibodies

----- Message Contents -----

Hello!

I tested the nine antibodies in the two hour inhibition assay with rCETP:

Assay setup- made up 50 $\mu$ g 1ml stocks of each antibody; used TP2 as my control IgG; used rCETP prep 838 at a 1:300 dilution (which should yield ~20% transfer); used HDL146 & LDL149 as source of Lipoprotein pool.

-performed 1:2 serial dilutions 4x's of each antibody (50 $\mu$ g, 25 $\mu$ g, 12.5 $\mu$ g, 6.25 $\mu$ g, 3.125 $\mu$ g)

-IgG Wells: added 150 $\mu$ l Lipoprotein pool + 25 $\mu$ l IgG + 25 $\mu$ l CETP

-Control wells: added 150 $\mu$ l Lipo pool + 25 $\mu$ l CETP + 25 $\mu$ l Buffer

-Blanks: added 150 $\mu$ l of Lipo pool + 50 $\mu$ l Buffer

Results: the only antibody that inhibited was the control(TP2); I have attached the excel spread sheets (version 4.0) and also the graphs (Delta Graph).

If you have any questions, please let me know. I will repeat the assays using the above conditions just to make sure the results are correct.

Annette

Author's Signature	Date	Read and Understood By	Date
<i>Elaine Kruel</i>	1/24/97	<i>Denise Nachowiak</i>	10-1-97

-1-97

Book Number  
**GDS - 5734**  
Page **084**

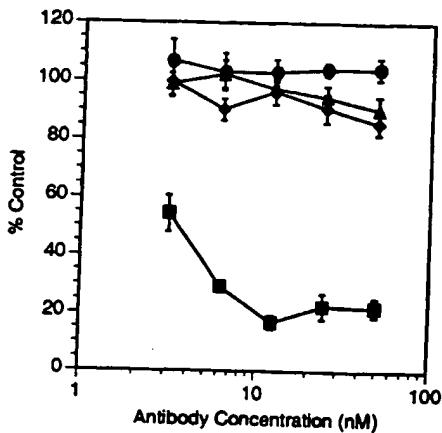
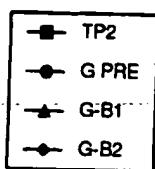
Subject

Pocono Rabbit -  
CETP Immunizations

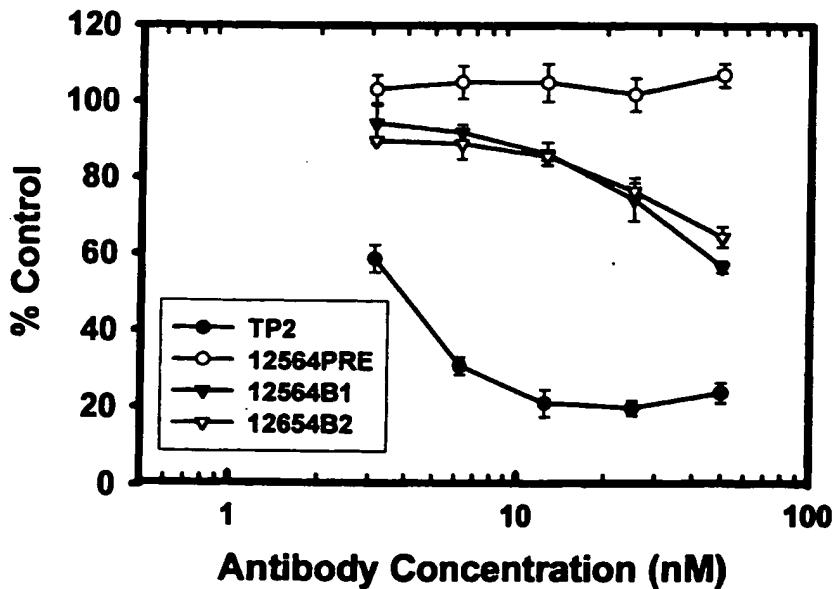
Project Number

**SEARLE**

Project



### Pocono IgG 9-19-96



Author's Signature

*Leanne Kruel*

Date

*1/24/97*

Read and Understood By

*Denise Nachowick*

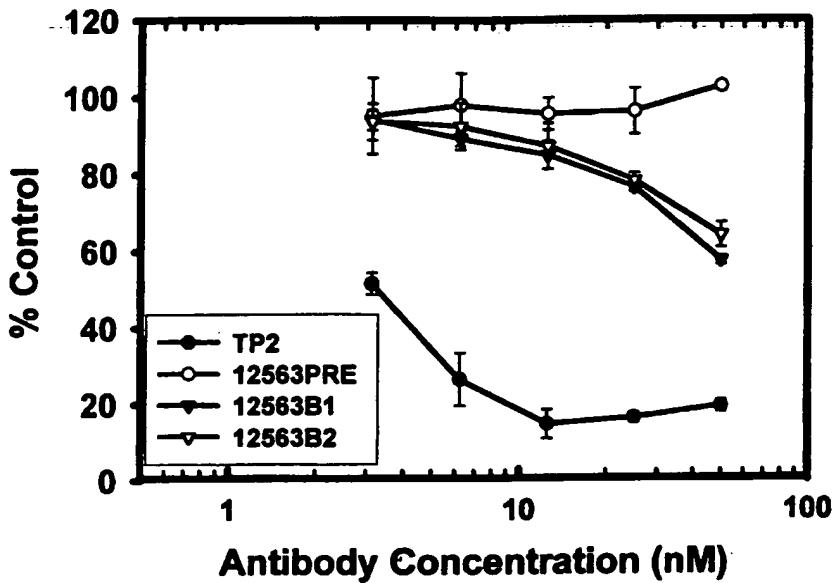
Date

*10-1-97*

Author's S

*[Signature]*

Pocono IgG 9-19-96



Conclusions: I did not really look carefully at the initial data from Annette. It is true that the goat anti-human CETP antibody did not appear to inhibit at the doses tested compared to monoclonal TP2.

However, both rabbit showed inhibition of CETP activity. The  $IC_{50}$  of TP2 is  $\approx 2-4$  nM and that of the polyclonal rabbit appears to be  $\approx 100$  nM in our CETP assay.

Need to determine whether the IgG would inhibit rabbit CETP, because we could possibly treat rabbit passively to this IgG to inhibit CETP over a longer term.

Project Number <b>565711</b>	Subject <b>Tg2</b> <b>1 week 1% Chol Diet</b>	Book Number <b>GDS - 5748</b>
<b>SEARLE</b>		Page <b>125</b>

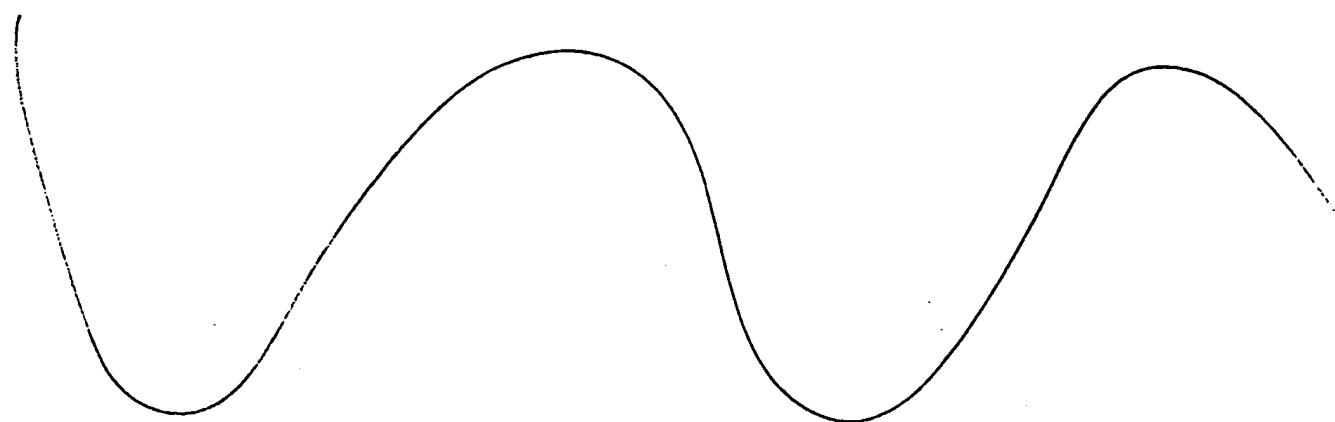
10/31 Compare CETP-Tg and Non-Tg mice on Teklad 7001 w/ 1% Cholesterol Diet for 1 week (begin diet on 10/25) Retro-orbital exsct of HCL 151, p. 95, 50 µl. Cardiac stick, under CO<sub>2</sub>. 5 min + 24 hour time pt. Look at total cholesterol, FPLC cholesterol & counts.

12 Non-Tg mice      ↘ 6      5 min      group A  
                          6      24 hr      group B

Reg # 12851  
Loc # 1009960902  
DOB 6-1-96

12 Tg mice      ↘ 6      5 min      group C  
                          6      24 hr      group D

♂ 215, 216, 217, 218, 227, 224  
♀ 219, 220, 221, 222, 213, 214  
DOB 7/6, 6/17, 7/24



Author's Signature <i>Brucey Kepec</i>	Date 1-1-96	Read and Understood By <i>S. Robertson</i>	Date 1/7/99
---	----------------	---	----------------

Book Number <b>GDS - 5748</b>	Subject <b>TG 2, cont</b>	Project Number <b>565711</b>
Page <b>126</b>		<b>SEARLE</b>

Proj

## Final Weights

10/

10/31

## Group A

Non-Tg 5 min

A1	32.2 g.	♂
A2	29.7	♂
A3	33.6	♂
A4	30.6	♀
A5	31.6	♀
A6	33.4	♀

## Group B

Non-Tg 24 H.

B1	30.5	♂
B2	31.1	♂
B3	31.3	♂
B4	31.5	♀
B5	27.6	♀
B6	25.7	♀

\*Deformed

## Group C

Tg 5 min

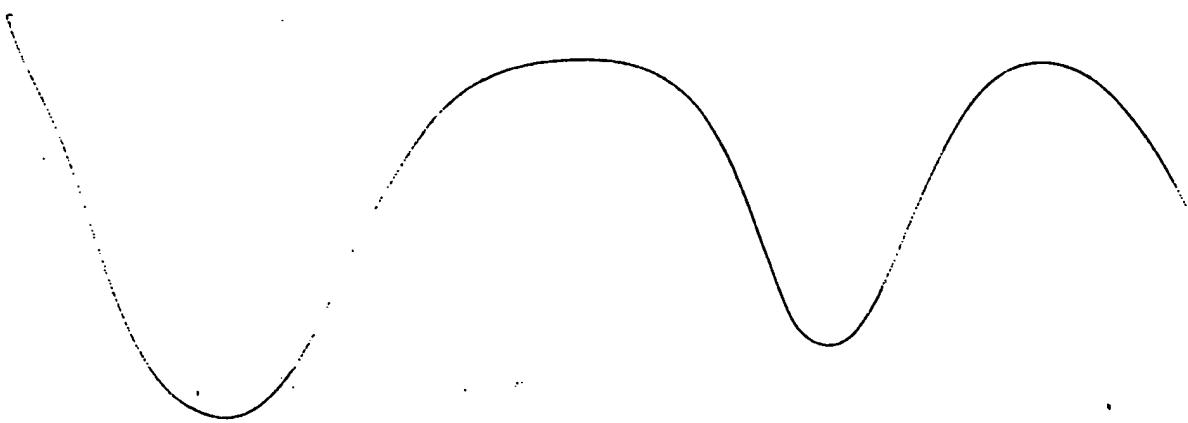
C1	26.8 g	♂
C2	25.3	♂
C3	26.7	♂
C4	22.0	♀
C5	23.3	♀
C6	23.6	♀

## Group D

Tg 24 H.

OK 1.27.99  
BL

D1	25.8	♂
D2	30.0	♂
D3	27.7	♂
D4	22.6	♀
D5	23.1	♀
D6	23.8	♀

LLO  
By  
Co  
S

Author's Signature	Date	Read and Understood By	Date
Murphy Keene	1/1/96	Bob Robinson	1/27/99

Author's  
Signature

Project Number	Subject	Book Number
505711	TGS, cont.	GDS-5748
SEARLE		Page
		127

10/31 and 1/1 Do cardiac stick for sampling. 26 gauge  $\frac{1}{2}$ " needle. EDTA microtainer. On ice.  
 Spin. Save serum. Count 10  $\mu$ l sera in 1 ml microcent 20, 24 well plate,

Data File Name: FPLC.037  
 Save Each Plate to a File: no

10/31

CPM A tSIS  
 123.40 24.545 Blank  
 58.62 21.385  
 91.60 19.682  
 87.88 30.944  
 152.30 24.258  
 60.22 22.650 ↓  
 6224.66 20.934 A1  
 3918.40 21.024 A2  
 4651.78 20.716 A3  
 4212.18 20.078 A4  
 4173.52 19.779 A5  
 4368.78 21.179 A6  
 6119.66 20.682 C1  
 7146.76 19.102 C2  
 5374.58 20.895 C3  
 7958.26 20.790 C4  
 1834.62 20.186 C5  
 6280.58 21.601 C6  
 50.56 25.955 Blank  
 36.14 19.621  
 44.48 23.211  
 55.24 27.716  
 67.12 19.764  
 34.20 22.627 ↓

5 min

1/1  
 314.76 22.120 B1 10  $\mu$   
 240.92 21.641 B2  
 233.92 21.016 B3  
 201.12 23.506 B4  
 321.48 23.212 B5  
 414.90 21.229 B6  
 233.54 21.842 D1  
 264.34 22.234 D2  
 223.68 24.461 D3  
 239.38 21.270 D4  
 250.92 25.469 D5  
 186.68 20.697 D6  
 41.88 36.843 Blank  
 29.02 21.416 ↓  
 36.56 30.003

Use 200  $\mu$ l each to make pools. 1200  $\mu$ l total/group. Filter.  
 Pipsey 500  $\mu$ l to FPLC. (Superox 6 x 2)  
 Count 200  $\mu$ l / fx in 1 ml Scuit 20  
 Do cholesterol profiles for fx's.

Author's Signature	Date	Read and Understood By	Date
Doreen Keker	11-5-96	S. Robinson	1/27/99

Book Number <b>GDS - 5748</b>	Subject TG2, cont.	Project Number <b>565711</b>
Page <b>128</b>		<b>SEARLE</b>

FPLC 037.XLS

Non-Tg 5 min

		01 Nov 96 13:40	
		A	A
		CPM A tSIS	
1	239.88	21.347	49 195.96 21.507
	141.16	19.385	136.30 21.854
	215.12	12.974	161.46 18.403
	204.70	22.249	140.94 23.046
	382.96	17.688	207.04 19.124
	252.40	17.550	102.06 24.766
	453.54	19.964	132.58 24.636
	331.86	19.364	94.66 28.684
	288.76	18.095	110.60 24.419
10	254.00	20.633	134.08 25.568
	349.88	20.042	187.06 18.626
	191.24	18.292	60 87.04 24.861
	240.36	21.545	82.06 29.703 Blank
	196.54	20.314	68.98 23.645 "
	247.78	18.812	71.32 25.086 "
	265.24	19.297	87.46 28.126 Blank
	398.86	18.202	127.08 25.122
	269.68	18.754	61.70 23.008
	361.00	20.812	89.40 29.209
	328.32	19.718	63.00 30.181
	361.04	19.103	69.64 26.034
	383.78	19.584	85.10 27.344
	450.32	17.651	119.52 23.382
	299.70	18.316	62.00 30.500
	283.70	19.889	
	253.72	18.245	
	305.32	18.926	
	404.74	20.044	
	634.12	17.430	
30	889.14	18.614	
	1604.98	18.621	
	3009.00	18.156	
	5111.74	18.608	
	6682.70	17.738	
	8224.08	16.785	
	11915.0	18.110	
	13994.4	17.948	
	11286.4	18.008	
	7128.88	18.744	
	404095.04	18.430	
	2155.02	17.664	
	1341.28	18.533	
	823.46	19.024	
	538.90	18.430	
	338.28	18.171	
	260.64	19.023	
	261.82	18.733	
	44142.76	18.666	

GROUP B FPLC 038.XLS  
NON-TG 24 H

GROUP C FPLC 039.XLS  
TG 5 MIN

GROUP D FPLC 040.XLS  
TG 24 H

Author's Signature <i>Parvathy Keppe</i>	Date 11-15-96	Read and Understood By <i>B. Robinson</i>	Date 1/27/99
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Author:  
*E*

Project Number <b>505711</b>	Subject <b>TG2, Cont.</b>	Book Number <b>GDS-5748</b>
<b>SEARLE</b>		Page <b>129</b>

GROUP D FPLC 040. XLS

TE 24H

CPM A tSIS  
 79.72 27.230  
 37.88 33.513  
 41.68 40.009  
 54.78 31.989  
**70.94 24.300**  
 101.12 23.576  
 179.36 21.051  
 158.36 21.395  
 112.56 21.648  
 100.50 25.053-10  
 88.62 28.486  
 70.94 26.321  
**88.34 29.045**  
 80.38 28.029  
**89.46 23.081**  
 106.68 28.913  
**125.14 23.723**  
 106.48 21.804  
**129.56 23.944**  
 123.10 22.680-80  
**124.46 24.326**  
 129.26 23.217  
**111.08 23.174**  
 78.44 26.358  
 88.32 32.112  
 69.48 29.114  
 67.14 29.255  
**81.62 30.162**  
 97.72 23.871  
 78.64 24.628-50  
 114.76 23.151  
 122.54 24.311  
 147.80 20.301  
**168.20 21.131**  
 198.06 19.326  
 253.28 19.703  
 321.66 19.672  
**327.14 19.425**  
 240.92 20.739 39

01 Nov 96 22:17

TopCount - 3.01

CPM A tSIS  
 184.12 21.468 40  
**141.84 21.307**  
 115.12 23.792  
**104.46 24.942**  
 88.14 21.722  
**81.34 25.328**  
 90.98 29.855  
**117.30 24.722**  
 66.08 32.312  
 73.18 27.715 Blank  
**59.26 31.939 49**  
**59.62 42.027 50**  
**63.98 27.809**  
 72.34 37.876  
**44.78 37.042**  
**50.16 34.145**  
**44.20 29.876**  
 55.80 29.434  
**56.36 28.807**  
 78.20 32.987  
**54.52 35.825**  
 56.12 33.481 60  
**39.84 32.848 Buffer (200μl)**  
 42.72 40.845 "  
**48.60 34.293 "**  
 29156.5 12.142 300μl pool A  
**1316.74 12.845** " B  
 39106.1 12.210 " C  
**1168.92 12.939** " D  
 47.38 37.041 Blank  
**61.46 32.212**  
**82.94 35.925**  
**45.22 32.732**

1-60  
 SUM OF 3Pin's  
 90483  
 10068  
 117664  
 6468

Author's Signature Dwerry Kepes	Date 11-5-96	Read and Understood By Bob Robertson	Date 1/27/98
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Book Number  
**GDS - 5748**  
Page  
**130**

Subject

TG:?, cont

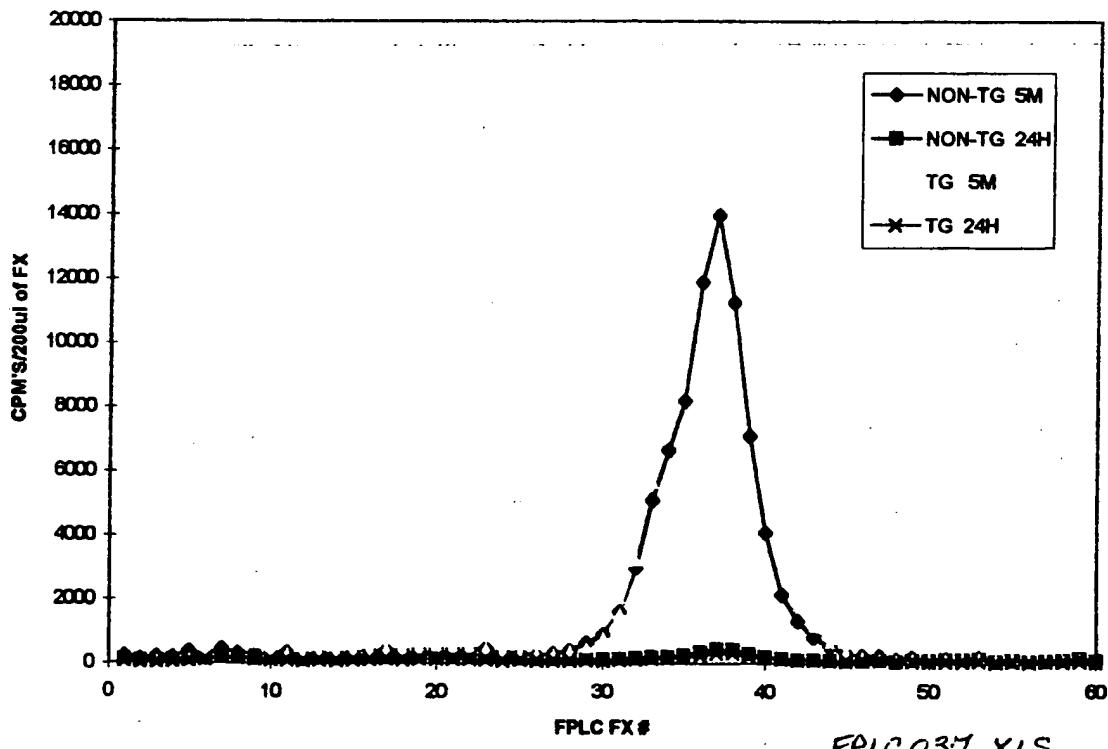
Project Number

**565711**

**SEARLE**

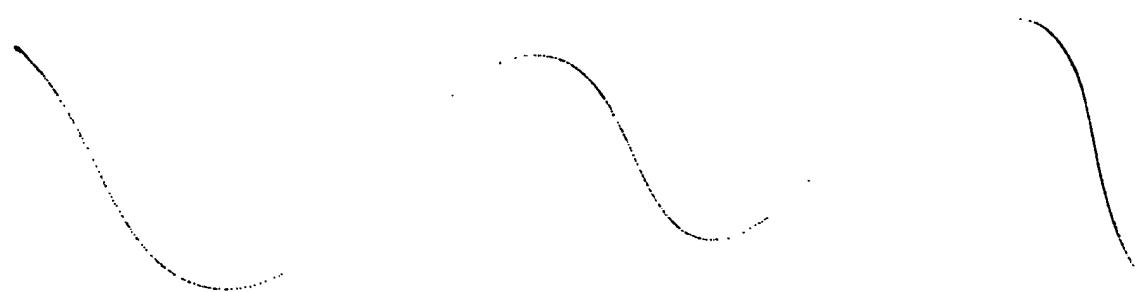
Project No  
**S**

1% CHOL DIET 1 WEEK FPLC COUNTS



The counts are gone after 24 hours.

Next experiment will go for 4 hours.



Author's Signature

*Merle Kekic*

Date

11-5-96

Read and Understood By

*M. Kekic*

Date

1/27/98

Author

*[Signature]*

Project Number  
565711  
**SEARLE**

Subject

TG2, cont.

Book Number  
GDS - 5948  
Page  
**131**

DATE: 11-1-96												
ASSAY: TCHOL												
A	1	2	3	4	5	6	7	8	9	10	11	12
B	C D	A1		B3	X	C5		A				
B	0.5	A3		B4		C6		B				
C	1		A3	B5		D1		C				
D	2		A4	B6		D2		D				
E	4		A5	C1		D3		CAN				
F	6		A6	C2		D4		CAN				
G	8		B1	C3		D5						
H	10		B2	C4		D6						

Samples 1:10 use 20 $\mu$ l + 60 $\mu$ l H<sub>2</sub>O  
(30 $\mu$ l min + 70 $\mu$ l PBS)

Control 1:20 use 20 $\mu$ l + 40 $\mu$ l H<sub>2</sub>O  
(20 $\mu$ l min + 80 $\mu$ l PBS)

TOTAL CHOLESTEROL			
11/4/96	NON-TG 5 MIN	NON-TG 24 H	TG 5 MIN
	GROUP A	GROUP B	GROUP C
78.4		89.8	71.2
56.4		84.9	75.2
69.2			76.2
62.3		48.6	62.1
69.0		68.8	53.3
66.8		58.5	68.4
MEAN	66.5	71.7	67.7
STDEV	7.1	20.6	8.7
			57.9
			19.7

TG2TCHL.XLS

Total cholesterol show no change between B and Non-Tg or between 5 min and 24 hour.

TCHOL  
OK1319

Author's Signature	Date	Read and Understood By	Date
Beverly Kerce	11-5-96	(initials)	1/7/97

Book Number  
GDS - 57448  
Page 132

Subject

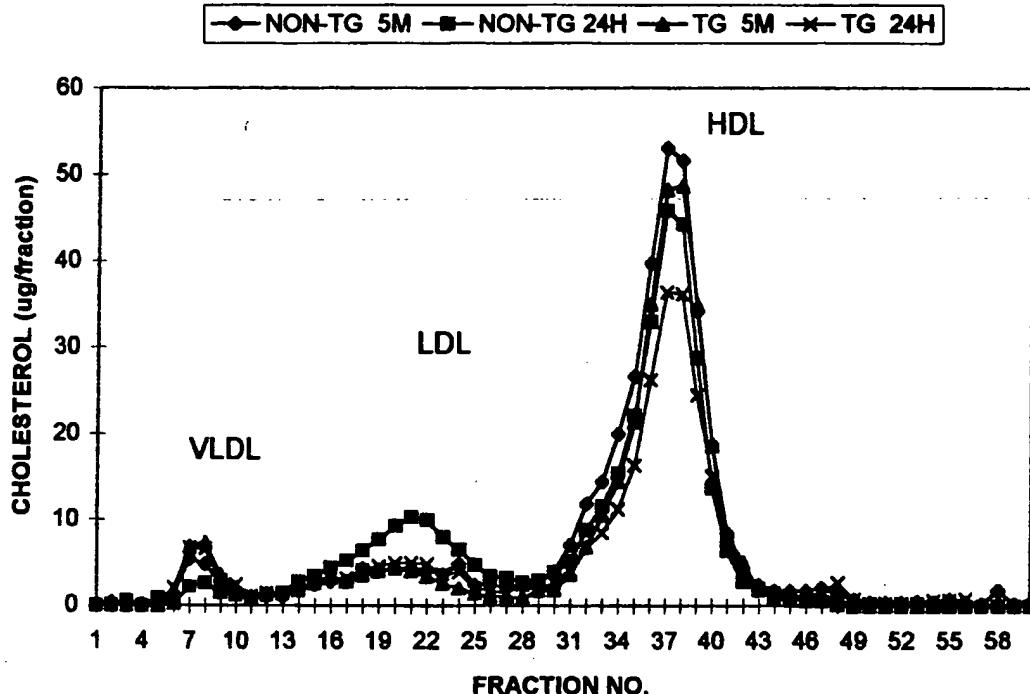
TG2  
1% CHOL DIET 1 WEEK

Project Number

585711  
SEARLE

Project A

S



TG2				
11/4/96				
1-WEEK 1% CHOL DIET				
FPLC PROFILE SUMMARY				
	NON-TG 5 MIN GRP A	NON-TG 24 H GRP B	TG 5 MIN GRP C	TG 24 H GRP D
VLDL fx 5-13	16.2	8.7	21.6	21.2
%	4	3	7	7
LDL fx 14-29	52.3	91.8	41.1	51.8
%	14	26	12	18
HDL fx 30-47	304.7	247.9	263.6	207.2
%	79	70	80	71
<b>TOTAL ug CHOL</b>	<b>385.4</b>	<b>352.7</b>	<b>330.9</b>	<b>291.7</b>

VLDL is up compare to previous exp. (on regular chow)  
LDL up slightly  
HDL is the same. See pg. 111

Author's Signature Barry Kepke	Date 11-5-96	Read and Understood By Bob	Date 1/27/97
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Author's  
F

Project Number	Subject	Book Number
565711 <b>SEARLE</b>	TG3 1% CHOLESTEROL CHOW/2 WEEK	GDS - 5748
		Page <b>133</b>

11-6. 12 mice (6 Tg and 6 Non-Tg) on 1% chol. diet since 10/25 (12 days).

Micki Meleton writing 50ul HDL 151, p. 95. via orbital sinus. 4 hour incubation.

Under CO<sub>2</sub> bleed via cardiac stick. use EDTA tubes, no air.

Group A Non-Tg      A1 ♀ 30.8 g.  
                           A2 ♀ 30.4  
                           A3 ♀ 30.0  
                           A4 ♂ 28.4  
                           A5 ♂ 28.7  
                           A6 ♂ 26.7

Group B CETP Tg      B1 ♀ 22.7 g.  
                           B2 ♀ 21.5  
                           B3 ♀ 22.8  
                           B4 ♂ 22.4  
                           B5 ♂ 25.8  
                           B6 ♂ 23.8

F5 ♀ 231, 232      DOB 8-1-96  
                           F5 ♂ 241, 242, 243      DOB 8-9-96

FPLC. 041

CPM A tSIS  
   1238.54 21.029 A1  
   607.96 20.839 A2  
   1245.32 21.503 A3  
   1737.68 21.216 A4  
   1119.26 18.198 A5  
   1582.14 20.580 A6  
   693.54 17.554 B1  
   752.00 18.205 B2  
   825.46 20.082 B3  
   1825.60 18.602 B4  
   883.86 15.315 B5  
   277.80 18.114 B6

10μl sera in 1 ml serum so

Author's Signature	Date	Read and Understood By	Date
Beverly Kieras	11-6-96	(Signature)	1/27/99

Book Number  
**GDS - 5748**  
Page  
**134**

Subject

TG3, cont.

Project Number

**565711**

**SEARLE**

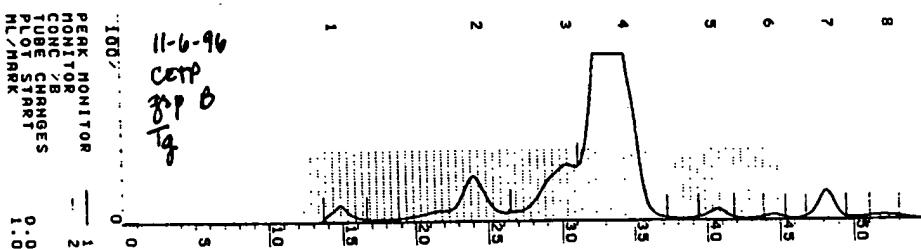
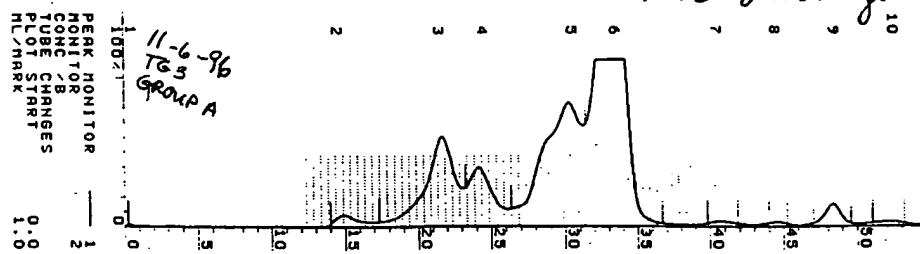
Project A

**S**

11-6-96      200 µl each, group A  
filter  
1500 µl applied to FPLC

Group B, 135 µl each  
filter  
500 µl applied

FPLC tracings



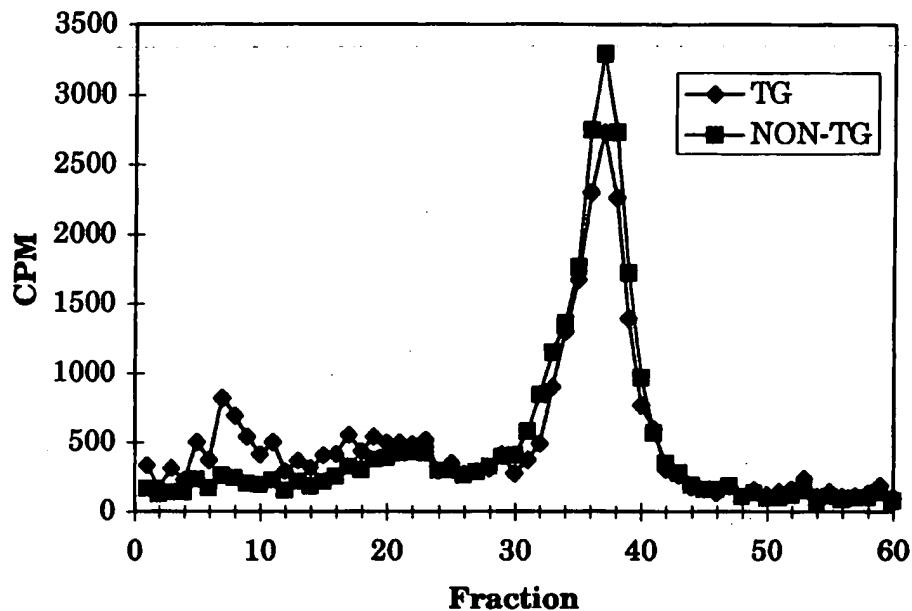
Count 200µl of each fx on top count, in 1 ml scint 20.  
FPLC. 044 Group A - TG  
FPLC. 043 Group B - Non-TG.

Author's Signature <i>Bonney Kekue</i>	Date 11-8-96	Read and Understood By <i>Bob Roberts</i> →	Date 1/27/99
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Author's  
*[Signature]*

Project Number 5605711	Subject TG3, cont	Book Number GDS - 5748
<b>SEARLE</b>		Page <b>135</b>

### 4 Hour CETP Activity in vivo



	TG	NON-TG
VLDL	4488	1887
% of total	15	7
LDL	6586	5180
% of total	22	18
HDL	16245	19428
% of total	54	68
Total	30170	28449

Counts  
% of Total

The Tg VLDL is up (15%). There may be some transfer activity going on. We may need to get total counts up even higher and get cholesterol up higher.

Author's Signature <i>Brucey Keele</i>	Date 11-8-96	Read and Understood By <i>Bob Robt</i>	Date 1/27/98
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Book Number  
GDS - 5748  
Page 136

Subject

TG3, cont.  
2 wk diet/4 hour

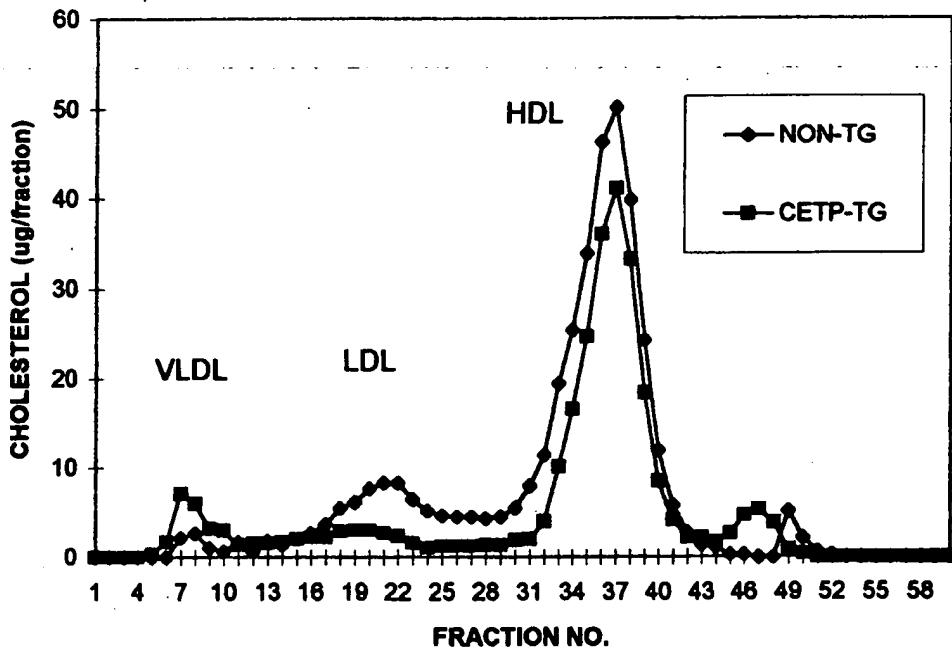
Project Number

565711  
**SEARLE**

Project N

S

2 WEEK DIET/4 HOUR 11-7-96



filename : TG3 Sum. XLS

TG3			
11/7/96			
2 WEEK 1% DIET			
4 HOUR			
		NON-TG	CETP-TG
		GRP A	GRP B
VLDL fx 5-13		6.6	21.5
%		2	8
LDL fx 14-29		79.9	31.2
%		21	11
HDL fx 30-47		288.2	219.9
%		74	78
T TAL ug CHOL		387.3	282.3

Author's Signature <i>Beverly Neves</i>	Date 11-8-96	Read and Understood By <i>Bob Johnson</i>	Date 1/27/97
--	-----------------	--	-----------------

Author's S  
1

Project Number <b>565711</b>	Subject TG3 2 week diet, 4 hour	Book Number <b>GDS - 5748</b>
<b>SEARLE</b>		Page <b>137</b>

Lipid profile, p. 136, shows VLDL up to 8% from 1% (normal chow, p. 111)

Total cholesterol is not higher - we may need a longer time period or we may need additional fat in diet. Check literature.

TOTAL CHOLESTEROL	
11/7/96	
	NON-TG
	4 HOUR
	4 HOUR
GROUP A	GROUP B
99.8	65.6
43.0	
62.3	68.4
91.7	88.5
73.9	90.3
104.4	
MEAN	79.2
STDEV	23.6
	78.2
	13.0

Author's Signature <i>Brucey Kepke</i>	Date 11-8-96	Read and Understood By <i>Bob</i>	Date 1/27/98
---	-----------------	--------------------------------------	-----------------

Book Number <b>GDS - 5748</b>	Subject <i>Lipoprotein Isolation</i>	Project Number <b>565711</b>
Page <b>138</b>		<b>SEARLE</b>

11

**Mouse Lipoproteins****Cholesterol (μg/ml)**

Whole Sera	1181
------------	------

%	
---	--

% VLDL	5.9	69.7
% LDL	10.9	128.7
% HDL	65.0	767.7

VLDL fraction	539
---------------	-----

LDL fraction	907
--------------	-----

HDL fraction	11740
--------------	-------

11

**Hamster Lipoproteins****Cholesterol (μg/ml)**

Whole Sera	923
------------	-----

%	
---	--

% VLDL	16.8	155.1
% LDL	20.1	185.5
% HDL	47.2	435.7

VLDL fraction	846
---------------	-----

LDL fraction	820
--------------	-----

HDL fraction	7468
--------------	------

From mouse & hamster lipoprotein isolation,  
p. 124.

Author's Signature

Beverly Kekes

Date

11-8-96

Read and Understood By

P. J. Hobin

Date

1/27/81

Author

P.J.

Project Number 545711	Subject Rabbit Lipoprotein Isolation	Book Number GDS - 5748
SEARLE		Page 139

11-13-96

100 ml of pre-immune Rabbit sera obtained from Harriet Kurlander.

$$\Delta = 1.020$$

Divide into 4 tubes 20 ml each. Add ~ 3 ml 1.006 EDTA Na.  
ultra-cfg. 48K 4° 24 H. no brake

The remaining 13 ml of sera - aliquot 250 µl ea.  
Store -40°C.

11-14-96

1. Collect VLDL (top) into 50 ml conical. ~25 ml. Split.  
12.5 ml each + 10 ml 1.006 EDTA Na.
2. Discard middle.
3. Collect LDL/HDL (bottom). Black rubber stopper part of cap broke off during spin. Some little particles of it contaminated the bottom.  
20.2 ml  
 $\Delta = 1.055$

$$\begin{aligned} \text{grams of NaBr} &= 20.2 (1.063 - 1.055) / 1 - (0.2447 \times 1.063) \\ &= 20.2 (0.008 / 1 - 0.026) \\ &= 20.2 (.008 / .74) \\ &= 0.218 \quad \Delta = 1.062 \end{aligned}$$

Add 3 ml 1.006 EDTA Na

4. Spin VLDL and LDL/HDL  
48K 24 hours 10°c.

Author's Signature Perry Kiser	Date 11-14-96	Read and Understood By Perry Kiser	Date 1/27/99
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Book Number <b>GDS - 5748</b>	Subject <b>Rabbit LDL/HDL, prep, cont</b>	Project Number <b>565711</b>
Page <b>140</b>		<b>SEARLE</b>

11-18-96

or ~~Save rest off the top & store at 4°c~~ <sup>OK 11-18-96</sup>

<sup>OK 11-18-96</sup> **VLDL and LDL (top) / HDL (bottom)**  
were removed from egg. on 11/15.  
VLDL stored 4°c  
LDL/HDL, separated, stored 4°c.

LDL  $D = 1.008$  vol = 6.6 ml protocol p. 115

$$\begin{aligned} V2 &= 6.6 (1.008 - 1.020) / (1.020 - 1.006) \\ &= 6.6 (-0.012) / (0.014) \\ &= 6.6 (-.000168) \\ &= -.0011088 \quad ???? \end{aligned}$$

Consult Elaine: Add 15 ml of 1.006 sol. (wash)  
Spin 48 K 10°c

HDL  $D = 1.078$  vol. = 13.8 ml

$$\begin{aligned} \text{grams NaBr} &= 13.8 (1.21 - 1.078) / 1 - (0.2447 \times 1.21) \\ &= 13.8 (0.132) / 1 - 0.296 \\ &= 1.822 / 0.704 \\ &= 2.588 \quad \text{Add this amount of NaBr.} \end{aligned}$$

Add 5 ml 1.21 sol.

$$D = 1.199$$

Spin 48 K 10°c 43 Hours.

Author's Signature <b>Beverley Koenig</b>	Date <b>11-19-96</b>	Read and Understood By <b>OK 11-19-96</b>	Date <b>11-19-96</b>
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Author  
**1**

Project Number 565711	Subject TG4 3Week/2 Hour	Book Number GDS - 5948
SEARLE		Page 141

11-15-96      6 Non-Tg      Group A  
                 6 CETP-Tg      Group B

Mice on 1% Chat. diet since 10/25. Anj. 3HOL 151  
 (p. 95) 50μl via mortal sinus.

TG # 200, 201, 222, 223, 235, 229, 230?

Group A	A1	♀	32.9 g.	Group B	B1	♀	31.7 g.
	A2	♀	29.6		B2	♀	23.1
	A3	♂	29.2		B3	♀	20.6
	A4	♂	26.1		B4	♂	23.8
	A5	♂	28.4		B5	♂	24.9
	A6	♂	27.7		B6	♂	26.7

At 5 min. do eye stick w/ capillary tube for counts:  
 Spin. Count 10μl in 200μl scint 20.  
 FPLC .049

CPM A	tSIS
2379.44	18.744 <sup>A1</sup>
1663.72	19.121 <sup>A2</sup>
5213.60	20.093 <sup>A3</sup>
5314.74	18.808 <sup>A4</sup>
1818.54	18.052 <sup>A5</sup>
3389.66	18.922 <sup>A6</sup>
4217.52	19.897 <sup>B1</sup>
2097.76	20.046 <sup>B2</sup>
6357.04	20.839 <sup>B3</sup>
2691.96	20.141 <sup>B4</sup>
4276.56	17.673 <sup>B5</sup>
3851.26	19.878 <sup>B6</sup>
3613.66	21.858 → No. of HOL 151 (1:10)

Author's Signature Barry Kese	Date 11-19-96	Read and Understood By <i>[Signature]</i>	Date 1/27/97
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Book Number  
GDS - 5748  
Page 142

Subject

TG4 - cont.

Project Number

565711

**SEARLE**

Project

Take Cardiac stock into EDTA microtainers  
BK1-37.99

grp A 200 µl sera each for pool  
filter  
500 µl applied

grp B 200 µl sera, except #3 100 µl and  
#5 100 µl  
filter  
500 µl applied

11-18-96 For total cholesterol use 40 µl of 1:10 sol.

1	2	3	4	5	6	7	8	9	10	11	12
0.003	0.003	0.208	0.215	0.139	0.137	-0.011	-0.012	-0.014	-0.012	-0.013	-0.013
0.036	0.036	0.244	0.254	0.116	0.119	-0.012	-0.012	-0.013	-0.013	-0.013	-0.013
0.073	0.081	0.218	0.221	0.001	0.005	-0.011	-0.011	-0.013	-0.011	-0.012	-0.012
0.158	0.162	0.257	0.264	0.156	0.158	-0.012	-0.008	-0.013	-0.012	-0.012	-0.012
0.304	0.318	0.282	0.262	0.244	0.249	-0.011	-0.011	-0.011	-0.012	-0.011	-0.012
0.456	0.456	0.244	0.262	0.158	0.162	-0.001	-0.009	-0.010	-0.012	-0.012	-0.013
0.604	0.605	0.177	0.184	0.003	0.008	-0.005	-0.010	-0.008	-0.012	-0.011	-0.012
H	N	0.750	0.755	0.190	0.192	0.003	0.008	-0.011	-0.011	-0.011	-0.012

READ DATE:

11/18/96

ASSAY NAME:

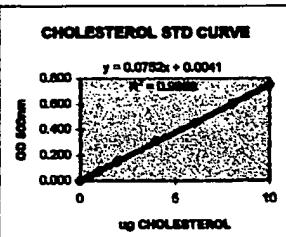
TG4 TCHOL

50  
45  
40  
35  
30  
25  
20  
15  
10  
5  
0

CHOLESTEROL (ug/fraction)

CHOLESTEROL ASSAY		MEAN	SD	CALC.								
ug	STD	00 1	00 2	00	00	b	00	00	00	00	00	00
0	0.003	0.003	0.003	0.000	0.000	b	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041
0.5	0.036	0.036	0.036	0.001	0.0752	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041
1	0.073	0.081	0.077	0.008	0.005	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
2	0.158	0.162	0.160	0.003	0.0998	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
4	0.304	0.319	0.312	0.011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6	0.458	0.456	0.457	0.001	0.550	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.604	0.606	0.605	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.750	0.755	0.753	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SAMP.	NO.	(ml)	MEAN	SD	CALC.	CALC.	DF	mg/dl	CHOL
	1	0.040	0.208	0.215	0.212	0.005	2.759	68.970	10.000
	2	0.040	0.244	0.254	0.249	0.007	3.258	81.439	10.000
	3	0.040	0.218	0.221	0.220	0.002	2.665	71.630	10.000
	4	0.040	0.257	0.264	0.261	0.005	3.410	85.262	10.000
	5	0.040	0.282	0.282	0.282	0.000	3.696	92.411	10.000
	6	0.040	0.244	0.262	0.263	0.013	3.311	82.769	10.000
	7	0.040	0.177	0.184	0.181	0.005	2.347	58.683	10.000
	8	0.040	0.190	0.192	0.191	0.001	2.486	62.154	10.000
	9	0.040	0.139	0.137	0.138	0.001	1.781	44.532	10.000
	10	0.040	0.116	0.119	0.118	0.002	1.509	37.716	10.000
BLANK		0.040	0.001	0.005	0.003	0.003	-0.014	-0.365	10.000
	12	0.040	0.156	0.158	0.157	0.001	2.034	50.849	10.000
	13	0.040	0.244	0.249	0.247	0.004	3.224	60.608	10.000
	14	0.040	0.158	0.162	0.160	0.003	2.074	51.847	10.000
									POOL A
									POOL B



filename : TG4 CH.xls

Author's Signature Brenny Keppe	Date 11-19-96	Read and Understood By MS. Robin	Date 1/27/97
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Author's  
P

Project Number  
565711  
**SEARLE**

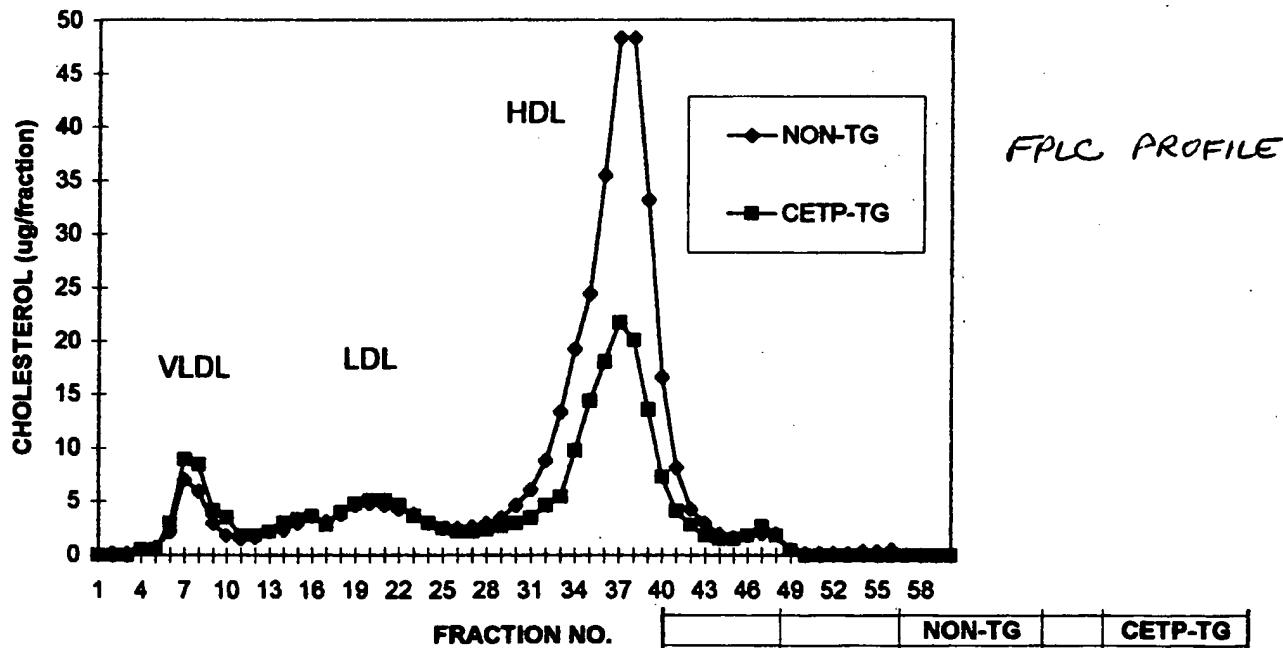
Subject

TG4, cont.

Book Number  
**GDS 5748**  
Page  
**143**

TOTAL CHOLESTEROL		
3 WEEK DIET/2 HOUR		
11/15/88		
	NON-TG	CETP-TG
	2 HOUR	2 HOUR
	GROUP A	GROUP B
	69.0	58.683
	81.4	62.154
	71.6	44.532
	85.3	37.716
	92.4	
	82.8	50.849
MEAN	80.4	50.8
STDEV	8.7	10.0

### TOTAL CHOLESTEROL 3 WEEK/2 HOUR



FPLC PROFILE

% of VLDL & LDL up  
from 2 wk study, p. 136  
in CETP-Tg mice.

filename : TG4 sum.xls

	NON-TG GRP A	CETP-TG GRP B
VLDL fx 5-13	20.8	28.6
%	6	12
LDL fx 14-29	55.3	55.1
%	15	24
HDL fx 30-47	281.7	138
%	78	60
TOTAL ug CH L	369.5	230.4

Author's Signature

Beverly Keeler

Date

11-19-96

Read and Understood By

Beverly Keeler

Date

1/27/97

191

Book Number  
GDS - 5748  
Page 144

Subject

TB4 3wk/2 Hour

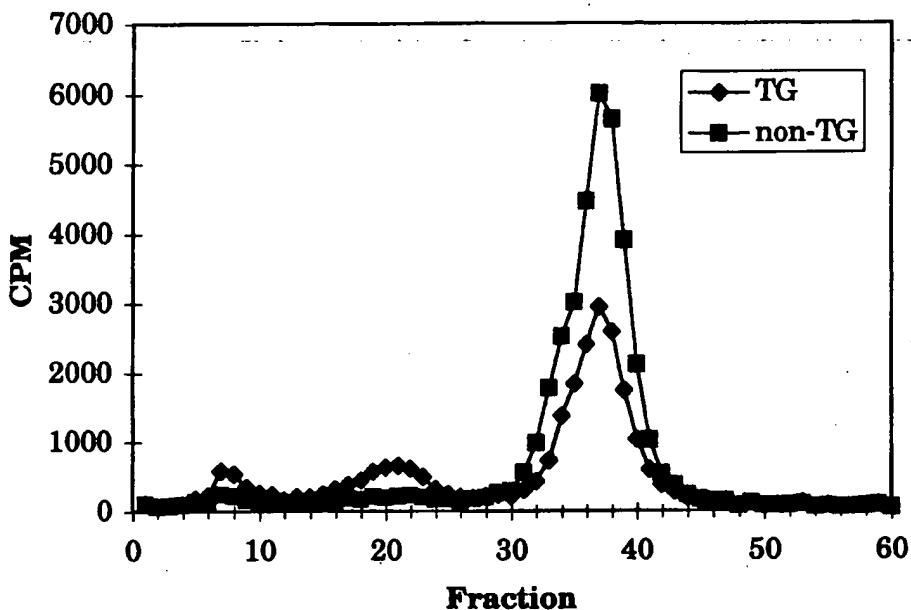
Project Number

565711  
**SEARLE**

Project

11

## 2 Hour CETP Activity in vivo



We would like to get the counts up higher. M. Milton will dilute HDL 151 so we can inj 100 µl, raising counts, but not doubling which would be too many counts.

We will try a 4 week feeding study to stabilize levels.

11-3

filename :

TG4FPLCA = CETP-TG (GROUP B)  
TG4FPLCB.xls = NON-TG (GROUP A)

Author's Signature Dwainy Kerec	Date 11-19-96	Read and Understood By O'Rob	Date 1/27/98
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Author's

Project Number 565711	Subject Rabbit HDL Prep, cont. from p. 140	Book Number GDS - 57448
SEARLE		Page 145

11-20-96

LDL There is no visible LDL layer on the bottom.  
Collect top & middle together since they look  
the same. Save 4°C.  
Collect bottom (LDL) Save 4°C.

HDL Remove top (HDL). There is no middle. Save  
bottom 4°C.

top :  $D = 1.156$        $\text{Vol} = 8.8 \text{ ml}$

$$\begin{aligned} V_2 &= 8.8 (1.156 - 1.020) / (1.020 - 1.006) \\ &= 8.8 (0.136) / (0.014) \\ &= 85.49 \text{ ml} \quad \text{Add this amount of 1.006 sol.} \end{aligned}$$

$$85.49 + 8.8 = 94.29 \text{ ml}$$

$$D = 1.016$$

Split between 4 tubes. Drop one tube & lost  
some.

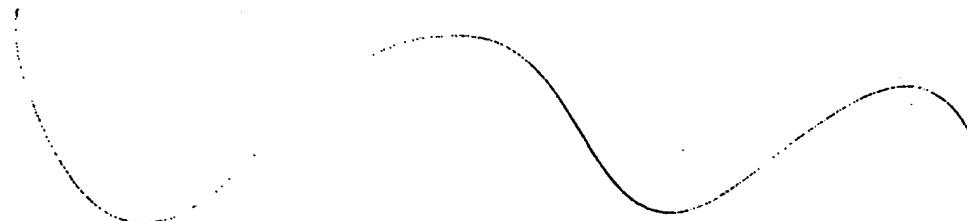
48K 24H 10°C

11-21-96

HDL :

Remove top and middle. Save bottom (HDL)

$D = 1.025$        $\text{Vol} = 9.5 \text{ ml}$



cont →

Author's Signature Beirly Keker	Date 11-21-96	Read and Understood By <i>[Signature]</i>	Date 1/17/97
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Book Number <b>GDS - 57448</b>	Subject <i>Rabbit Lipoprotein Isolation</i> 146	Project Number <b>565711</b> <b>SEARLE</b>
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1	2	3	4	5	6	7	8	9	10	11	12
0.002	0.002	0.193	0.224	0.078	0.072	0.022	0.018	0.038	0.040	-0.001	-0.001
0.031	0.031	0.015	0.018	0.003	0.006	0.668	0.658	1.426	1.322	0.002	-0.001
0.079	0.079	0.065	0.074	0.019	0.023	0.228	0.224	0.399	0.452	0.000	0.000
0.151	0.151	0.153	0.249	0.268	0.083	0.092	0.002	0.003	0.007	0.008	0.004
0.287	0.304	0.422	0.425	0.146	0.149	0.061	0.060	0.126	0.119	0.002	0.000
0.472	0.439	0.034	0.034	0.009	0.013	-0.002	0.001	0.000	-0.002	0.004	0.002
0.612	0.607	0.139	0.147	0.043	0.045	-0.002	-0.001	-0.002	-0.002	0.007	0.002
0.743	0.754	0.600	0.660	0.183	0.188	-0.002	0.001	-0.001	0.000	0.003	0.008

READ DATE:

11/2/96

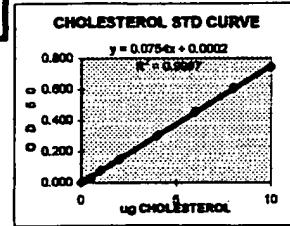
ASSAY NAME:

Rabbit Lipoprotein

T Chol

## CHOLESTEROL ASSAY

ug	MEAN	SD	CALC	STD
STD	OD 1	OD 2	OD	OD
0	0.002	0.002	0.000	m
0.5	0.031	0.031	0.031	b
1	0.079	0.078	0.079	#N/A
2	0.151	0.153	0.152	#N/A
4	0.287	0.304	0.301	6.000
6	0.472	0.439	0.456	#N/A
8	0.612	0.607	0.610	#N/A
10	0.743	0.754	0.749	0.008



## SAMPLE RESULTS (DUPLICATES)

SAMP.	NO.	(ug)	MEAN	SD	CALC.	CALC.	DF	mg/dl	CHOL	
			OD 1	OD 2	OD	ug	ug/ml			
1	0.020	0.193	0.224	0.209	0.022	2.762	138.082	10,000	138.082	sera
2	0.020	0.015	0.018	0.017	0.002	0.218	10.801	10,000	10.801	Vld
3	0.020	0.065	0.074	0.070	0.006	0.918	45.936	10,000	45.936	hdl
4	0.020	0.249	0.268	0.269	0.028	3.557	177.857	10,000	177.857	hdl
5	0.040	0.422	0.425	0.424	0.002	5.612	140.305	10,000	140.305	sera
6	0.040	0.034	0.034	0.034	0.000	0.448	11.201	10,000	11.201	Vld
7	0.040	0.139	0.147	0.143	0.008	1.893	47.330	10,000	47.330	hdl
8	0.040	0.600	0.660	0.630	0.042	8.350	208.752	10,000	208.752	hdl
9	0.020	0.078	0.072	0.075	0.004	0.982	49.582	30,000	148.748	sera
10	0.020	0.003	0.008	0.006	0.004	0.070	3.509	30,000	10.527	Vld
11	0.020	0.019	0.023	0.021	0.003	0.278	13.784	30,000	41.553	hdl
12	0.020	0.063	0.062	0.068	0.006	1.157	57.868	30,000	173.608	hdl
13	0.040	0.146	0.149	0.148	0.002	1.963	48.822	30,000	146.468	sera
14	0.040	0.009	0.013	0.011	0.003	0.143	3.578	30,000	10.733	Vld
15	0.040	0.043	0.045	0.044	0.001	0.581	14.516	30,000	43.547	hdl
16	0.040	0.183	0.188	0.188	0.004	2.457	81.417	30,000	184.252	hdl
17	0.030	0.022	0.018	0.020	0.003	0.282	6.748	10,000	8.748	hdl top & mid
18	0.030	0.868	0.868	0.863	0.007	11.439	381.310	10,000	381.310	?????
19	0.030	0.226	0.224	0.226	0.003	2.994	99.798	10,000	99.798	hdl 11/20
20	0.030	0.002	0.003	0.003	0.001	0.030	1.013	10,000	1.013	hdl + 11/21
21	0.030	0.081	0.060	0.061	0.001	0.799	28.846	10,000	28.846	hdl-m 11/21
22	0.030	-0.002	0.001	-0.001	0.002	-0.009	-0.312	10,000	-0.312	blank
23	0.030	-0.002	-0.001	-0.002	0.001	-0.023	-0.754	10,000	-0.754	blank
24	0.030	-0.002	0.001	-0.001	0.002	-0.009	-0.312	10,000	-0.312	blank
25	0.060	0.038	0.040	0.039	0.001	0.514	8.572	10,000	8.572	hdl top & mid
26	0.080	1.426	1.322	1.374	0.074	18.214	303.573	10,000	303.573	?????
27	0.080	0.399	0.452	0.426	0.037	5.639	93.978	10,000	93.978	hdl 11/20
28	0.080	0.007	0.008	0.008	0.001	0.103	1.722	10,000	1.722	hdl + 11/21
29	0.080	0.126	0.119	0.123	0.005	1.621	27.024	10,000	27.024	hdl-m 11/21

	ug/ml	ml	TOTAL ug CHOL	% OF SERA
VLDL*	108.2	18	1731.2	1.5
LDL*	445.5	3.2	1425.6	1.2
HDL*	1861.2	9.8	18239.6	15.9
<b>TOTAL</b>			<b>21396.4</b>	<b>18.6</b>
LDL-top/mid	86.6	20	1732	1.5
?????	3424.4	2	6848.8	6
HDL-b + (11/20)	968.8	10	9688	8.4
HDL-top (11/21)	13.7	29	397.3	0.3
HDL-mid (11/21)	268.4	43	11541.2	10.1
<b>TOTAL</b>			<b>30207.3</b>	<b>26.3</b>

What happened  
to all the  
cholesterol??

SERA 1434 80 114720

Author's Signature <i>Bruce Kierke</i>	Date 12-2-96	Read and Understood By <i>Bob Robert</i>	Date 1/27/99
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Author's  
Signature  
*Bob Robert*

Project Number 505711	Subject CETP Activity Assay Rabbit CETP Vaccine	Book Number GDS - 5748
SEARLE		Page 147

6.7 samples from Kaine Knel 1:20 dilution, in PBS (not assay buffer)

Lipo Pool LDL 149 10.84 mg/ml

$$\frac{200 \mu\text{g}/\text{ml}}{108.40 \mu\text{g}/\text{ml}} = 0.0185 \times 18 \text{ ml} = 0.333 \text{ ml}$$

HDL 146 1.3 mg/ml

$$\frac{0.5 \mu\text{g}/\text{ml}}{1.300 \mu\text{g}/\text{ml}} = 0.019 \times 18 \text{ ml} = 0.346 \text{ ml}$$

LDL 0.333 ml

HDL  $\frac{0.346}{0.679}$

18 - 0.679 = 17.321 assay buffer

use 50 μl / well

positive control CETP 822 1:40

negative control Non-Tg mouse sera 1:5

Samples 1:20

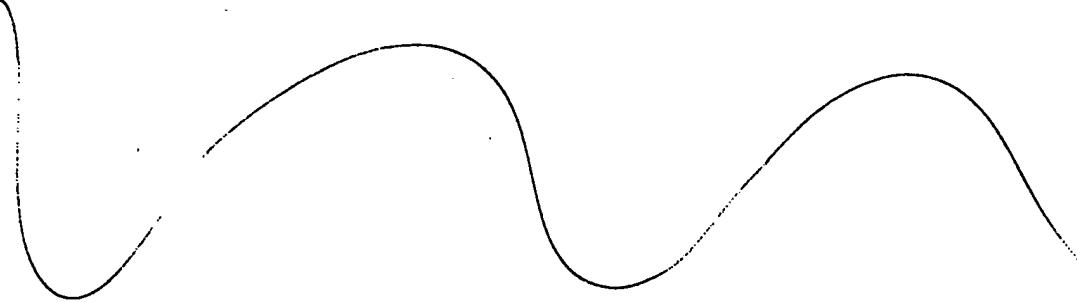
use 50 μl / well

Follow protocol p. 10-11 overnight incubation

Author's Signature <u>Elisabeth Kehoe</u>	Date 12-2-96	Read and Understood By <u>Bob Rohr</u>	Date 1/27/97
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Book Number <b>GDS - 5748</b>	Subject <i>CETP Activity</i> <i>Rab. CETP Vaccine</i>	Project Number <b>565711</b>
Page <b>148</b>		<b>SEARLE</b>

RAB SERA	PLATE 1									
CETP 617		BLANK	11723.2							
11/21/96										
		CPM	CPM	CPM	% T	% T	% T	AVE % T	ST DEV	
		BLANK	12668	11685.1	12020.2					
		BLANK	11329.2	11979.2	10114.5					
		BLANK	11486.2	11389.2	11668.2					
		BLANK	11558.7	12072.8	11696.1					
		BLANK	11893.8	11811.4	12879.1					
		BLANK	11795	10997.2	11976.5					
		POS	2065.56	1891.29	2495.94	82.38	83.87	78.71	81.65	2.65
		NEG	11462.8	12032.6	12551	2.22	-2.64	-7.06	-2.49	4.64
1	Rab01 pre 10/27/95		3875.9	3666.05	3398.83	66.94	68.73	71.01	68.89	2.04
2	Rab01 12/4/95		3882.56	4256.04	3085.96	66.88	63.70	73.68	68.08	5.10
3	Rab01 3/8/96		8349.12	8944.58	8303.97	28.78	23.70	29.17	27.22	3.05
4	Rab02 pre 10/27/95		4581.58	4865.07	3981.44	60.92	58.50	68.21	61.88	3.94
5	Rab02 12/4/95		4377.45	4494.86	4247.8	62.66	61.66	63.77	62.70	1.06
6	Rab02 3/8/96		4618.67	4447.03	4734.88	60.60	62.07	59.61	60.76	1.24
7	Rab02 10/25/96		4550.99	4086.02	4094.02	61.18	65.15	65.08	63.80	2.27
8	Rab03 pre 10/27/95		4415.27	4823.46	4487.94	62.34	58.86	61.72	60.97	1.86
9	Rab03 12/4/95		4307.01	4553.17	4959.84	63.26	61.16	57.69	60.70	2.81
10	Rab04 pre 10/27/95		3555.2	3178.02	3762.43	69.67	72.69	67.91	70.18	2.53
11	Rab04 12/4/95		3037.48	3073.36	3032.19	74.09	73.78	74.14	74.00	0.19
12	Rab05 pre 10/27/95		3437.81	3648.62	3563.36	70.68	68.88	69.60	69.72	0.90
13	Rab05 12/4/95		5400.6	5268.01	4801.46	53.93	55.06	59.04	56.01	2.68
14	Rab06 pre 10/27/95		4242.56	3768.98	3427.64	63.81	67.87	70.76	67.48	3.49
15	Rab06 12/4/95		3383.78	3501.59	3390.78	71.14	70.13	71.08	70.78	0.56
16	Rab07 pre 10/27/95		4379.79	4159.54	3891.65	62.64	64.52	66.80	64.65	2.09
17	Rab07 12/4/95		2788.94	3926.74	3735.38	76.21	66.50	68.14	70.28	5.20
18	Rab07 3/8/96		3432.09	4473.96	4595.72	70.72	61.84	60.80	64.45	5.46
19	Rab07 10/25/96		4413.87	4946.2	5412.43	62.35	57.81	53.83	58.00	4.28
20	Rab08 pre 10/27/95		4184.52	4522.74	4926.48	64.31	61.42	57.98	61.23	3.17
21	Rab08 12/4/95		3890.42	5312.94	4429.14	66.81	54.68	62.22	61.24	6.13
22	Rab08 3/8/96		3824.98	5096.74	4409.04	87.37	56.52	62.39	62.10	5.43
23	Rab08 10/25/96		5655.9	5653.7	6396.09	51.75	51.77	45.44	49.66	3.65
24	Rab09 pre 10/27/95		2806.88	4412.42	3469.69	76.06	62.36	70.40	69.61	6.88



Author's Signature <i>Marilyn Kikic</i>	Date 12-2-96	Read and Understood By <i>John R. Johnson</i>	Date 1/27/98
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Author's S  
1/27/98

Project Number  
**565711**  
**SEARLE**

Subject

Cetp Activity  
cont.

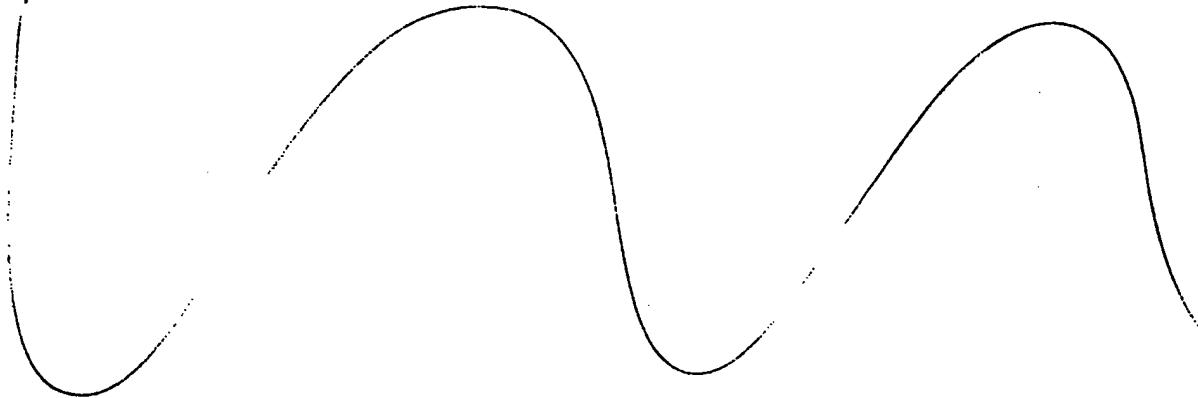
Book Number

**GDS - 57748**

Page

**149**

RAB SERA	PLATE 2								
CETP617		BLANK	11542.0						
11/21/96		CPM	CPM	CPM	% T	% T	% T	AVE % T	ST DEV
	BLANK	11347.1	11022.3	11989					
	BLANK	12009.7	11456.3	11436.2					
	BLANK	12789.7	10995	11853.9					
	BLANK	11805.9	10728.8	11752.7					
	BLANK	11892	11180.9	11693.5					
	BLANK	11272.6	10781.4	11749.4					
	POS	1984.07	1737.95	2241.83	82.81	84.94	80.58	82.78	2.18
	NEG	11714.8	10221.3	13439.7	-1.50	11.44	-16.44	-2.17	13.95
25	Rab09 12/4/95	2876.7	3372.84	2784.53	75.08	70.78	75.87	73.91	2.74
26	Rab010 pre 10/27/95	3481.83	3825.55	3489.92	69.83	66.86	69.76	68.82	1.70
27	Rab010 12/4/95	3513.93	2634.1	2470.25	69.56	77.18	78.60	75.11	4.86
28	Rab1 pre 5/30/95	4122.71	3332.43	3644.45	64.28	71.13	68.42	67.94	3.45
29	Rab1 7/5/95	4280.54	3625.52	3844.06	62.91	68.59	66.70	66.07	2.89
30	Rab1 10/5/95	4447.04	4638.03	3626.82	61.47	59.82	68.58	63.29	4.65
31	Rab1 3/8/96	3863.95	4152.48	4086.49	66.52	64.02	64.59	65.05	1.31
32	Rab2 pre 5/30/95	3319.47	3094.2	3437.6	71.24	73.19	70.22	71.55	1.51
33	Rab2 7/5/95	3572	3856.23	4154.3	69.05	66.59	64.01	66.55	2.52
34	Rab2 10/5/95	3846.54	3924.51	4825.64	66.67	66.00	58.19	63.62	4.71
35	Rab2 3/8/96	4159.24	4448.53	4382.08	63.96	61.46	62.03	62.49	1.31
36	Rab3 pre 5/30/95	3839.38	4387.02	4324.64	66.74	61.99	62.53	63.75	2.60
37	Rab3 7/5/95	4115.6	4115.16	4189.82	64.34	64.35	63.70	64.13	0.37
38	Rab3 8/9/95	4352.96	4656.58	5002	62.29	59.66	56.66	59.53	2.81
39	Rab4 pre 5/30/95	3894.24	3518.18	4289.08	66.26	69.52	62.84	66.21	3.34
40	Rab4 7/5/95	3641.36	4282.17	3699.12	68.45	62.90	67.95	66.43	3.07
41	Rab4 8/9/95	3911.56	5721.82	4245.9	66.11	50.43	63.21	59.92	8.35
42	Rab5 pre 5/30/95	4170.85	5068.07	4585.3	63.86	56.09	60.27	60.08	3.89
43	Rab5 7/5/95	3664.33	4471.52	4706.89	68.25	61.26	59.22	62.91	4.74
44	Rab5 8/9/95	4652.84	5501.02	4763.51	59.69	52.34	58.73	56.92	3.99
45	Rab6 pre 5/30/95	4596.19	4913.98	4798.5	60.18	57.43	58.43	58.68	1.39
46	Rab6 7/5/95	3867.07	5507.57	4565.05	66.50	52.28	60.45	59.74	7.13
47	Rab6 8/9/95	3830.81	4305.69	5033.29	66.81	62.70	56.39	61.97	5.25
48	Rab7 pre 5/30/95	2868.99	3751.48	3494.88	75.14	67.50	69.72	70.79	3.93



Author's Signature

Beverly Kellee

Date

12-2-96

Read and Understood By

(Signature)

Date

1/27/99

'99

Book Number <b>GDS - 5748</b>	Subject Rab. Vaccine (CETP) CETP Activity	Project Number <b>565711</b> <b>SEARLE</b>
Page <b>150</b>		Project

RAB SERA PLATE 3	CPM	CPM	CPM	% T	% T	% T	AVE % T	ST DEV
CETP617	BLANK	11711.3						
11/21/96								
	BLANK	11566.9	11370.4	12201.8				
	BLANK	11384.8	11650.9	10820.9				
	BLANK	12289.2	11042.5	12221.4				
	BLANK	11225.7	11313.8	11772.6				
	BLANK	11350.8	11637.2	12781.4				
	BLANK	11139.5	12509.2	12524.9				
	POS	1897.2	2000.09	2516.98	83.80	82.92	78.51	81.74
	NEG	11694.9	11904.4	11835.9	0.14	-1.65	-1.06	-0.86
49 Rab7 7/5/95		4182	3731.66	3931.64	64.29	68.14	66.43	66.29
50 Rab7 8/9/95		5435.63	3554.6	3861.19	53.59	69.65	67.03	63.42
51 Rab8 pre 5/30/95		4857.51	4150.68	4684.63	58.52	64.56	60.00	61.03
52 Rab8 7/5/95		5050.31	3949.26	4755.3	56.88	66.28	59.40	60.85
53 Rab8 8/9/95		6240.13	4871.13	5092.99	46.72	58.41	56.51	53.88
54 Rab9 pre 5/30/95		3564.33	3524.95	3166.44	69.57	69.90	72.96	70.81
55 Rab9 7/5/95		4249.85	3850.43	3330.32	63.71	67.12	71.56	67.47
56 Rab9 8/9/95		5141.1	5161.1	4539.72	56.10	55.93	61.24	57.76
57 Rab10 pre 5/30/95		3699.63	4213.13	3900.3	68.41	64.03	66.70	66.38
58 Rab10 7/5/95		3835.52	4467.33	4275.84	67.25	61.85	63.49	64.20
59 Rab10 8/9/95		4466.25	5027.27	5166.34	61.86	57.07	55.89	58.27
60 Rab11 pre 5/30/95		3547.52	3616.64	3568.83	69.71	69.12	69.53	69.45
61 Rab11 7/5/95		4189.18	4020.36	4084.37	64.23	65.67	65.12	65.01
62 Rab11 10/5/95		4274.55	4582.15	4306.03	63.50	60.87	63.23	62.54
63 Rab11 3/8/96		4690.97	4912.59	4273.73	59.95	58.05	63.51	60.50
64 Rab12 pre 5/30/95		4965.01	4364.85	4419.14	57.61	62.73	62.27	60.87
	XXXXXX	3777.11	18872.3	18283.3	67.75	-61.15	-56.12	-16.50
	XXXXXX	3669.25	18744.9	17655	68.67	-60.06	-50.75	-14.05
	XXXXXX	4254.16	20575.8	20256.2	63.67	-75.69	-72.96	-28.33
65 Rab12 7/5/95		4171.08	5196.97	4444.92	64.38	55.62	62.05	60.68
66 Rab12 10/5/95		4134.73	5422.2	5410.88	64.69	53.70	53.80	57.40
67 Rab12 3/8/96		4672.65	4655.12	5305.19	60.10	60.25	54.70	58.35
	XXXXXX	17926.3	20072.4	20994.1	-53.07	-71.39	-79.26	-67.91
	XXXXXX	19278.5	20677.3	17893.3	-64.61	-76.56	-52.79	-64.65
								11.89

Pos & Neg controls look good.

We may have reached a plateau since all the results have similar activity. Try a 4 hour incubation.

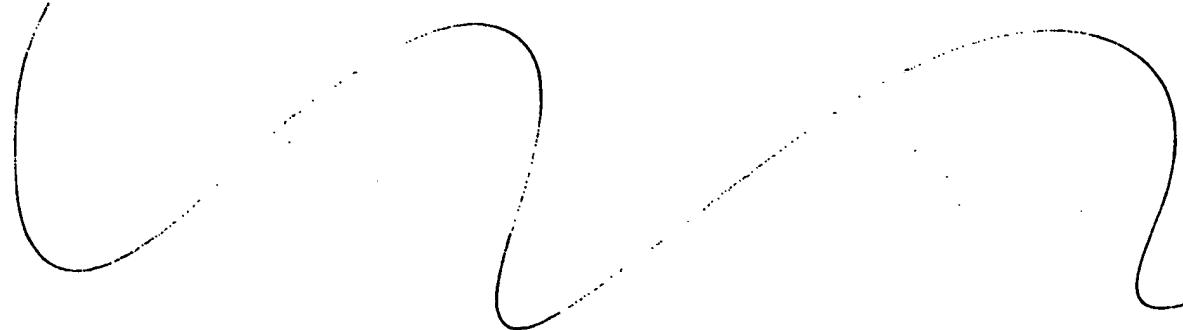
Author's Signature Dwight Kerec	Date 12-2-96	Read and Understood By Fay Robins	Date 1/21/97
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Author  
16

Project Number <b>565711</b>	Subject Repeat CETP activity on <b>SEARLE</b> Rab. CETP Vaccine Sera.	Book Number <b>GDS - 5748</b>
		Page <b>151</b>

Repeat CETP activity assay on Rabbit sera, p. 147-150.  
Do a 4 hour incubation of lipo pool and 1:20 dilution  
of sera.

RAB SERA	PLATE 1	BLANK	10610.5						
CETP 618	CPM	CPM	CPM	% T	% T	% T	AVE % T	ST DEV	
11/27/96	BLANK	10708.3	11038.6	10653					
	BLANK	10233.1	10087.6	10667.6					
	BLANK	11209.7	10967.6	11034.3					
	BLANK	10576.5	10234.2	11084.2					
	BLANK	10676.2	10625	10053.5					
	BLANK	10047.5	10189.6	10902.1					
	POS	2254.77	2740.44	2171.42	78.75	74.17	79.54	77.49	2.90
	NEG	9629.3	9864.26	9518.62	9.25	7.03	10.29	8.86	1.66
1 Rab01 pre 10/27/95		9012.24	9502.85	8241.26	15.06	10.44	22.33	15.94	5.99
2 Rab01 12/4/95		8259.51	8726.84	8249.08	22.16	17.75	22.26	20.72	2.57
3 Rab01 3/8/96		10566.2	9323.15	9536.1	0.42	12.13	10.13	7.56	6.27
4 Rab02 pre 10/27/95		10114.1	8181.17	8412.6	4.68	22.90	20.71	16.10	9.95
5 Rab02 12/4/95		10136	9739.08	8983.88	4.47	8.21	15.33	9.34	5.52
6 Rab02 3/8/96		9302.78	9212.79	8725.57	12.32	13.17	17.76	14.42	2.83
7 Rab02 10/25/96		8419.03	8191.19	8426.82	20.65	22.80	20.58	21.35	1.26
8 Rab03 pre 10/27/95		8792.16	8906.49	8196.75	17.14	16.06	22.75	18.65	3.59
9 Rab03 12/4/95		8743.68	9119.08	9092.86	17.59	14.06	14.30	15.32	1.98
10 Rab04 pre 10/27/95		8118.24	7743.19	8836.78	23.48	27.02	16.72	22.41	5.24
11 Rab04 12/4/95		8925.17	7544.31	8308.22	15.88	28.90	21.70	22.16	6.52
12 Rab05 pre 10/27/95		8381.97	7789.06	8647.97	21.00	26.59	18.50	22.03	4.14
13 Rab05 12/4/95		9813.49	9203.93	8662.6	7.51	13.28	8.93	9.80	2.99
14 Rab06 pre 10/27/95		9846.44	9315.92	9067.38	7.20	12.20	14.54	11.31	3.75
15 Rab06 12/4/95		9620.38	8990.1	9737.27	9.33	15.27	8.23	10.94	3.79
16 Rab07 pre 10/27/95		9308.37	8929.87	8379.61	12.26	15.84	11.80	13.23	2.26
17 Rab07 12/4/95		8378.32	8160.07	8062.44	21.04	23.09	24.01	22.72	1.52
18 Rab07 3/8/96		7948.98	8771.81	8647.07	25.08	17.33	18.50	20.31	4.18
19 Rab07 10/25/96		10046.1	10291.7	10192.9	5.32	3.00	3.94	4.09	1.16
20 Rab08 pre 10/27/95		9051.83	9461.79	9240.06	14.69	10.83	12.82	12.81	1.93
21 Rab08 12/4/95		9255.08	9036.05	9149.94	12.77	14.84	13.77	13.79	1.03
22 Rab08 3/8/96		8774.37	8884.1	8833.92	17.30	8.85	16.74	13.63	5.88
23 Rab08 10/25/96		9258.79	10007.7	9752.87	12.74	5.68	8.08	8.83	3.59
24 Rab09 pre 10/27/95		9322.28	9849.85	8886.41	12.14	7.17	16.25	11.85	4.55



Author's Signature <i>Beverly K. Kee</i>	Date 12-2-96	Read and Understood By <i>Bob Rohner</i>	Date 1/27/99
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Subject

cont.

Project Number

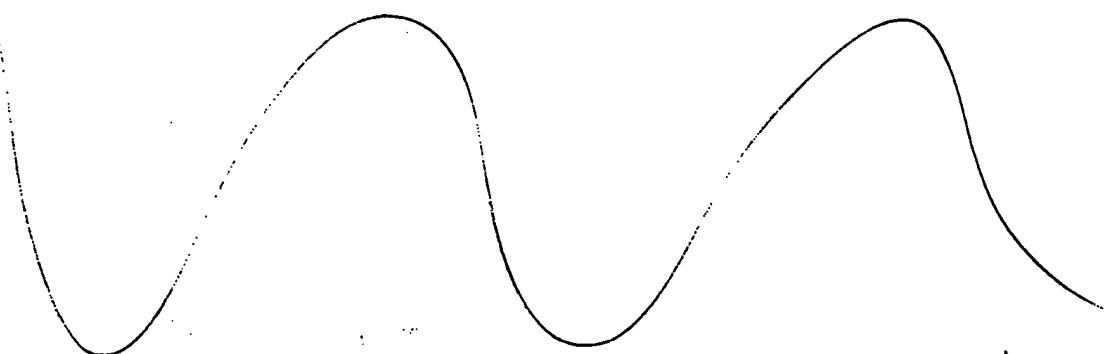
565711

**SEARLE**

Project

1

RAB SERA	PLATE 2								
CETP618		BLANK	10503.0						
11/27/96		CPM	CPM	CPM	% T	% T	% T	AVE % T	ST DEV
	BLANK	11282.2	10339.9	10494.8					
	BLANK	11017.4	11239.6	9986.81					
	BLANK	11006.6	11586.5	10983.2					
	BLANK	11114.8	10649.8	10276.2					
	BLANK	7210.34	10757.7	10340.8					
	BLANK	9808.3	10603.1	10356.1					
	POS	1973.51	2451.96	2474.61	81.21	76.65	76.44	78.10	2.69
	NEG	9809.02	10570.6	9869.69	6.61	-0.64	6.03	4.00	4.03
25	Rab09 12/4/95	9585.36	8612.11	8683.51	8.74	18.00	17.32	14.69	5.16
26	Rab010 pre 10/27/95	9191.15	8489.56	8887.09	12.49	19.17	15.39	15.68	3.35
27	Rab010 12/4/95	8071.4	7608.58	7770.91	23.15	27.56	26.01	25.57	2.24
28	Rab1 pre 5/30/95	8363.19	7508.84	8132.82	20.37	28.51	22.57	23.82	4.21
29	Rab1 7/5/95	9113.94	8269.4	8413.38	13.23	21.27	19.90	18.13	4.30
30	Rab1 10/5/95	8318.46	8156.34	8187.48	20.80	22.34	22.05	21.73	0.82
31	Rab1 3/8/96	10379.7	8945.67	9019.57	1.17	14.83	14.12	10.04	7.69
32	Rab2 pre 5/30/95	8298.45	8121.16	8340.71	20.99	22.68	20.59	21.42	1.11
33	Rab2 7/5/95	7370.99	8480.69	8384.95	29.82	19.25	20.17	23.08	5.85
34	Rab2 10/5/95	7666.33	8402.66	8714.38	27.01	20.00	17.03	21.35	5.12
35	Rab2 3/8/96	9285.39	9895.01	9315.07	11.59	5.79	11.31	9.56	3.27
36	Rab3 pre 5/30/95	9571.67	9752.46	9427.22	8.87	7.15	10.24	8.75	1.55
37	Rab3 7/5/95	9066.08	9559.74	9427.08	13.68	8.98	10.24	10.97	2.43
38	Rab3 8/9/95	8999.02	9667.69	8402.9	14.32	7.95	20.00	14.09	6.02
39	Rab4 pre 5/30/95	8019.45	8212.66	7808.4	23.65	21.81	25.66	23.70	1.93
40	Rab4 7/5/95	9453.04	9090.95	8065.25	10.00	13.44	23.21	15.55	6.85
41	Rab4 8/9/95	8089.22	9194.37	8746.71	22.98	12.46	16.72	17.39	5.29
42	Rab5 pre 5/30/95	8828.54	9717.02	8952.29	15.93	7.48	14.76	12.73	4.58
43	Rab5 7/5/95	8516.51	9987.64	9604.42	18.91	4.91	8.56	10.79	7.27
44	Rab5 8/9/95	9072.69	9874.18	9412.75	13.62	5.99	10.38	10.00	3.83
45	Rab6 pre 5/30/95	8469.02	9238.24	9653.13	19.37	12.04	8.09	13.17	5.72
46	Rab6 7/5/95	8991.33	9504.15	9788.33	14.39	9.51	6.80	10.24	3.85
47	Rab6 8/9/95	7722.64	8505.77	8486.19	26.47	19.02	19.20	21.56	4.25
48	Rab7 pre 5/30/95	8240.6	9020.81	8988.58	21.54	14.11	14.42	16.69	4.20



Author's Signature  
D. Wesley Kepke

Date  
12-2-96

Read and Understood By  
OKBhawar

Date  
1/27/99

Author's  
Signature  
OK

Project Number  
565711  
SEARLE

Subject

Cont.

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GDS - 5748

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RAB SERA	PLATE 3								
CETP618		BLANK	10641.7						
11/27/96		CPM	CPM	CPM	% T	% T	% T	AVE % T	ST DEV
	BLANK	11755	11175.2	11040.6					
	BLANK	10591.1	10163.1	11345.6					
	BLANK	10656.6	10384.9	11051.5					
	BLANK	9925.84	9460.2	10845.5					
	BLANK	10694.9	10054.4	10636.4					
	BLANK	10326.9	10346.4	11097.2					
	POS	2089.87	2422.13	2399.78	80.36	77.24	77.45	78.35	1.75
	NEG	10534.1	9918.48	9540.3	1.01	6.80	10.35	6.05	4.71
49	Rab7 7/5/95	9237.54	8913	8333.44	13.20	16.24	21.69	17.04	4.30
50	Rab7 8/9/95	8258.68	8941.53	8852.33	22.39	15.98	16.82	18.40	3.49
51	Rab8 pre 5/30/95	8512.38	8896.61	8121.48	20.01	16.40	23.68	20.03	3.64
52	Rab8 7/5/95	9413.3	8910.75	9439.19	11.54	16.27	11.30	13.04	2.80
53	Rab8 8/9/95	8694.87	8989.74	8716.37	18.29	15.52	18.09	17.30	1.54
54	Rab9 pre 5/30/95	7720.48	8551.09	7977.01	27.45	19.65	25.04	24.05	4.00
55	Rab9 7/5/95	7750.23	8723.74	9015.18	27.17	18.02	15.28	20.16	6.22
56	Rab9 8/9/95	8055.35	8291.32	7873.01	24.30	22.09	26.02	24.14	1.97
57	Rab10 pre 5/30/95	8579.67	7909.08	8875	19.38	25.68	16.60	20.55	4.65
58	Rab10 7/5/95	9027.55	8162.52	8941.2	15.17	23.30	15.98	18.15	4.48
59	Rab10 8/9/95	8578.41	8976.45	8962.59	19.39	15.65	15.78	16.94	2.12
60	Rab11 pre 5/30/95	8344.44	8058.18	8349.21	21.59	24.28	21.54	22.47	1.57
61	Rab11 7/5/95	9097.25	9635.55	9635.24	14.51	9.46	9.46	11.14	2.92
62	Rab11 10/5/95	9932.16	9223.43	9531.58	6.67	13.33	10.43	10.14	3.34
63	Rab11 3/8/96	10474.1	9505.89	9884.74	1.58	10.67	7.11	6.45	4.58
64	Rab12 pre 5/30/95	9460.02	8476.52	8583.1	11.10	20.35	19.34	16.93	5.07
65	Rab12 7/5/95	8598.62	10379.7	9104.66	19.20	2.46	14.44	12.04	8.62
66	Rab12 10/5/95	7502.73	9091.06	7972.8	29.50	14.57	25.08	23.05	7.67
67	Rab12 3/8/96	8929.18	10351.3	9343.77	16.09	2.73	12.20	10.34	6.87
		10594	11717	11683.6	0.45	-10.10	-9.79	-6.48	6.08
		10874.6	12001.5	11596.5	-2.19	-12.78	-8.97	-7.98	5.36
		9719.78	11477.5	10783.6	8.66	-7.85	-1.33	-0.17	8.32
		10828.9	11947	10791.4	-1.76	-12.27	-1.41	-5.14	6.17
		11358.3	12153.7	11568.4	-6.73	-14.21	-8.71	-9.88	3.87

There is much variability between replicates and no apparent CETP inhibition. The sera may not be stable in a 1:20 dilution - these are the same as previous assay (p. 148-150) This was a 4 hour incubation (previous assay was an overnight incubation) and may not have been long enough.

filename: CETP618

Author's Signature

McCurdy, Kepic

Date

12-2-96

Read and Understood By

Bob Ribbison

Date

1/27/99

7/99

Book Number <b>GDS - 5748</b>	Subject <b>TG.5</b> 3 weeks / 5 min - 24 - 4H	Project Number <b>565711</b> <b>SEARLE</b>
Page <b>154</b>		

Nov. 27

18 CETP-Tg mice on 1% Chol diet - 3 weeks

F5 # 271, 272, 273, 274, 275, 276, 277, 278,  
281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291,  
292, 293

Inj 100µl of HDL 151 (diluted) via retro-orbital sinus. After 5 min, 2 hour, 4 hour do cardiac stasis.

Group A 5 min

A1	♀	19.2 g.
A2	♀	19.7
A3	♀	19.6
A4	♂	19.0
A5	♂	24.7
A6	♂	24.9

Group B 2 Hour

B1	♀	19.2 g
B2	♀	20.9
B3	♀	18.9
B4	♂	23.6
B5	♂	19.6
B6	♂	21.6

Group C 4 Hour

C1	♀	16.7 (had large tongue)
C2	♀	20.3
C3	♀	20.3
C4	♂	22.9
C5	♂	24.0
C6	♂	23.9

CETP-TG

Author's Signature <i>Murray Kekue</i>	Date 12-2-96	Read and Understood By <i>(Signature)</i>	Date 1/27/99
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Project Number  
565711  
**SEARLE**

Subject

cont.

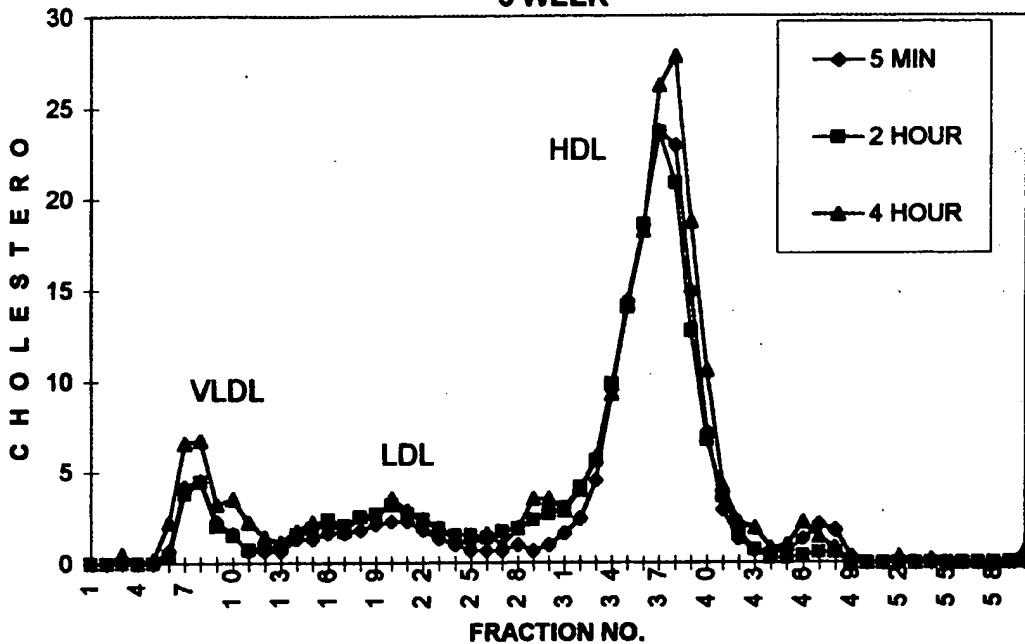
Book Number  
**GDS - 5748**

Page  
**155**

Pool 200  $\mu$ l each / group. (Grp B #6 only 100  $\mu$ l,  
grp A #2 only 100  $\mu$ l)  
filter  
apply 500  $\mu$ l onto superose 6 x 2 7.2.17

Method 9 Banks 5

FPLC SUMMARY TG5  
3 WEEK



FPLC PROFILE			
TG5 3 WEEK			
	GROUP A	GROUP B	GROUP C
CETP-TG			
5 MIN			
VLDL fx 5-13	13.4	12.3	22.5
%	8	7	10
LDL fx 14-29	22.3	33.7	34.2
%	13	19	16
HDL fx 30-47	130.5	129.7	155.2
%	77	73	70.8
TOTAL ug CHOL	170.3	178.8	219.3

Author's Signature

Beverly Kitee

Date

12-9-96

Read and Understood By

PBS/Kitee

Date

1/27/98

E

199

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Subject

TG5

cont.

Project Number

565711

SEARLE

Project

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.001	0.001	0.001	0.022	0.018	0.012	0.036	0.026	0.010	0.001	0.001	0.001
B	0.037	0.041	0.001	0.018	0.019	0.012	0.067	0.018	0.005	0.003	0.003	0.003
C	0.068	0.068	0.003	0.012	0.021	0.012	0.097	0.012	0.008	0.003	0.003	0.003
D	0.168	0.171	0.001	0.012	0.022	0.014	0.123	0.012	0.003	0.003	0.003	0.003
E	0.322	0.328	0.003	0.012	0.022	0.012	0.155	0.012	0.004	0.004	0.010	0.003
F	0.481	0.484	0.012	0.016	0.019	0.014	0.150	0.016	0.004	0.005	0.003	0.004
G	0.633	0.624	0.034	0.016	0.016	0.018	0.100	0.021	0.003	0.004	0.003	0.008
H	0.779	0.775	0.036	0.018	0.014	0.023	0.052	0.018	0.003	0.003	0.004	0.005

READ DATE:

12/2/86

ASSAY NAME:

GRPA 5 MIN

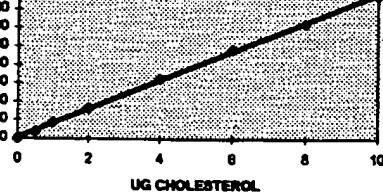
TG5 FPLC-A

## CHOLESTEROL ASSAY

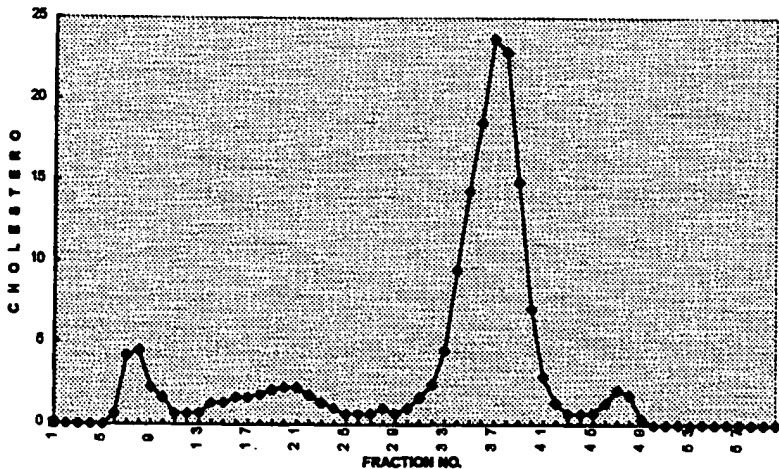
ug	STD	OD 1	OD 2	MEAN	SD		CALC	STD
	0	0.001	0.001	0.001	0.000	m	b	-0.088
	0.5	0.037	0.041	0.039	0.003	0.0778	#N/A	#N/A
	1	0.068	0.068	0.068	0.000	0.0008	0.0040	#N/A
	2	0.168	0.171	0.169	0.004	0.9984	0.0074	#N/A
	4	0.322	0.328	0.325	0.004	6.000	#N/A	#N/A
	8	0.481	0.484	0.483	0.002	0.585	0.000	#N/A
	10	0.633	0.624	0.625	0.012			6.121
		0.779	0.775	0.777	0.003			7.951
								9.918

CHOLESTEROL STD.CURVE

$y = 0.0776x + 0.0078$

 $R^2 = 0.9994$ 

GRP A 5 MIN



Author's Signature

Barney Kibbe

Date

12-2-96

Read and Understood By

Bob Robison

Date

1/27/98

Author

B

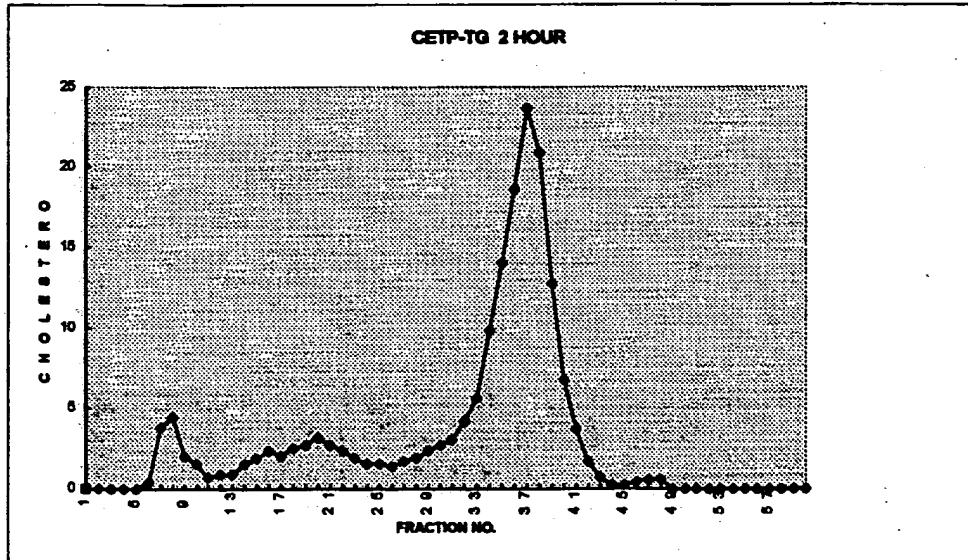
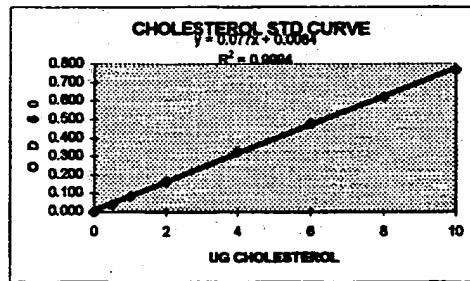
Project Number 565711	Subject SEARLE	TG-5 ctrl.	Book Number GDS - 5748
			Page 157

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.001	0.002	0.002	0.021	0.021	0.018	0.043	0.031	0.003	0.001	0.001	0.002
B	0.036	0.046	0.003	0.018	0.024	0.017	0.069	0.019	0.002	0.001	0.001	0.003
C	0.088	0.087	0.002	0.013	0.025	0.019	0.085	0.013	0.002	0.002	0.001	0.003
D	0.159	0.171	0.002	0.014	0.028	0.020	0.123	0.010	0.001	0.001	0.002	0.003
E	0.325	0.327	0.003	0.014	0.025	0.023	0.154	0.010	0.001	0.001	0.002	0.005
F	0.475	0.483	0.011	0.018	0.023	0.025	0.137	0.011	0.002	0.001	0.001	0.003
G	0.632	0.632	0.032	0.020	0.020	0.027	0.087	0.012	0.001	0.001	0.003	0.008
H	0.762	0.775	0.036	0.023	0.018	0.034	0.050	0.012	0.002	0.001	0.003	0.003

READ DATE:  
12/2/98  
ASSAY NAME:  
CETP-TG 2 HOUR  
TG5 FPLC-B

#### CHOLESTEROL ASSAY

ug	MEAN	SD	CALC
STD	OD 1	OD 2	STD
0	0.001	0.002	0.000
0.5	0.036	0.046	0.423
1	0.086	0.087	1.015
2	0.159	0.171	2.035
4	0.325	0.327	4.127
8	0.475	0.483	8.115
8	0.632	0.632	7.999
10	0.762	0.775	9.877



Author's Signature Barney Kieke	Date 12-2-96	Read and Understood By J. Kieke	Date 1/27/99
------------------------------------	-----------------	------------------------------------	-----------------

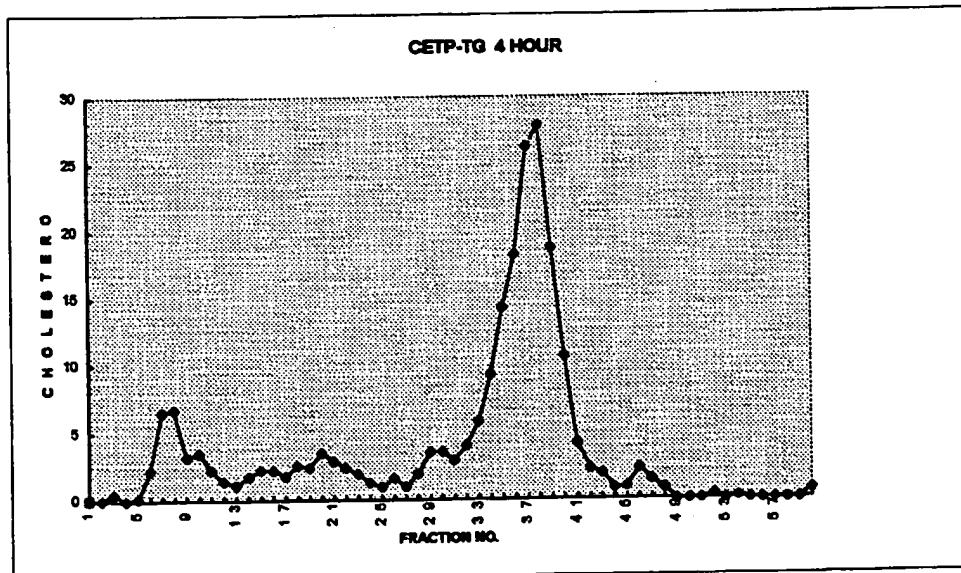
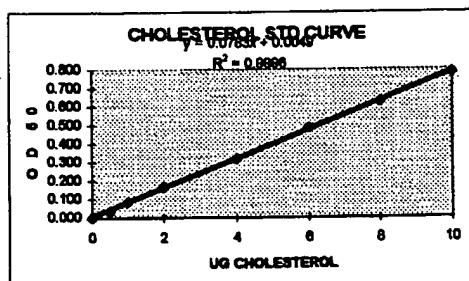
Book Number <b>GDS - 5748</b>	Subject <b>TG5</b> <b>Cont.</b>	Project Number <b>505711</b> <b>SEARLE</b>
Page <b>158</b>		Project

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.001	0.001	-0.001	0.025	0.016	0.011	0.041	0.031	0.004	0.000	-0.002	-0.002
B	0.035	0.038	0.000	0.027	0.021	0.015	0.063	0.019	0.002	0.000	-0.001	0.000
C	0.088	0.087	0.008	0.019	0.020	0.011	0.094	0.017	0.003	0.003	0.005	0.002
D	0.168	0.168	0.000	0.014	0.027	0.017	0.119	0.010	0.007	0.009	0.007	0.002
E	0.320	0.317	0.006	0.012	0.023	0.027	0.169	0.011	0.004	0.005	0.007	0.001
F	0.482	0.484	0.019	0.016	0.020	0.027	0.179	0.019	0.006	0.006	0.008	0.004
G	0.634	0.632	0.046	0.019	0.017	0.023	0.122	0.014	0.003	0.002	0.007	0.003
H	0.789	0.782	0.047	0.019	0.013	0.030	0.071	0.010	0.001	0.000	0.003	0.012

READ DATE:  
12/06  
ASSAY NAME:  
CETP-TG 4 HOUR  
TG5 FPLC-C

#### CHOLESTEROL ASSAY

ug STD	MEAN		SD			CALC						
	OD 1	OD 2		OD	OD	m	b	#N/A	#N/A	#N/A	#N/A	STD
0	0.001	0.001	0.001	0.000		0.0783	0.0049	#N/A	#N/A	#N/A	#N/A	0.049
0.5	0.035	0.038	0.037	0.002		0.0006	0.0034	#N/A	#N/A	#N/A	#N/A	0.404
1	0.088	0.087	0.067	0.001		0.9995	0.0063	#N/A	#N/A	#N/A	#N/A	1.043
2	0.168	0.168	0.168	0.000		0.595	0.000	#N/A	#N/A	#N/A	#N/A	2.085
4	0.320	0.317	0.319	0.002		6.000	#N/A	#N/A	#N/A	#N/A	#N/A	4.008
6	0.482	0.484	0.483	0.001		0.585	0.000	#N/A	#N/A	#N/A	#N/A	6.110
8	0.634	0.616	0.625	0.013								7.924
10	0.789	0.782	0.786	0.005								9.975



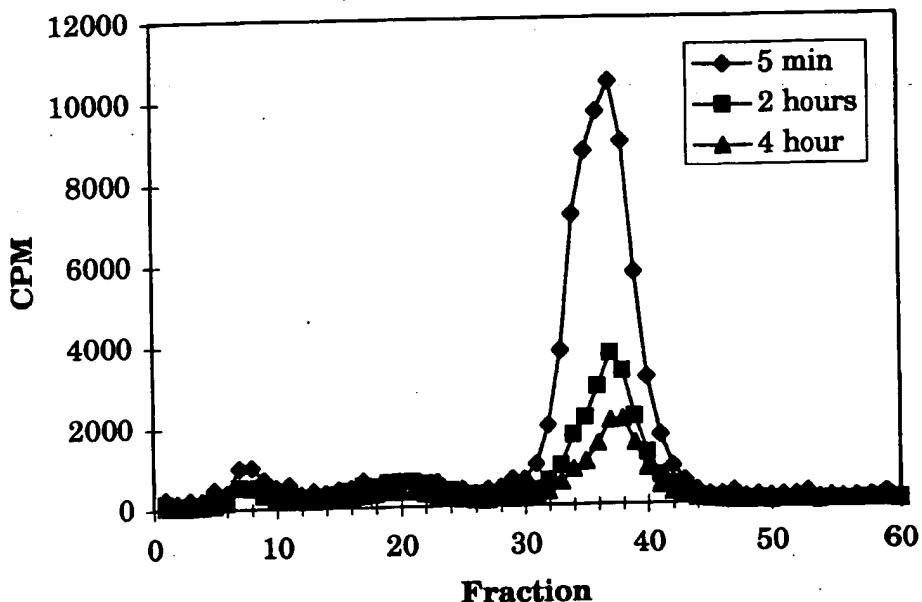
Project Number  
565711  
**SEARLE**

Subject

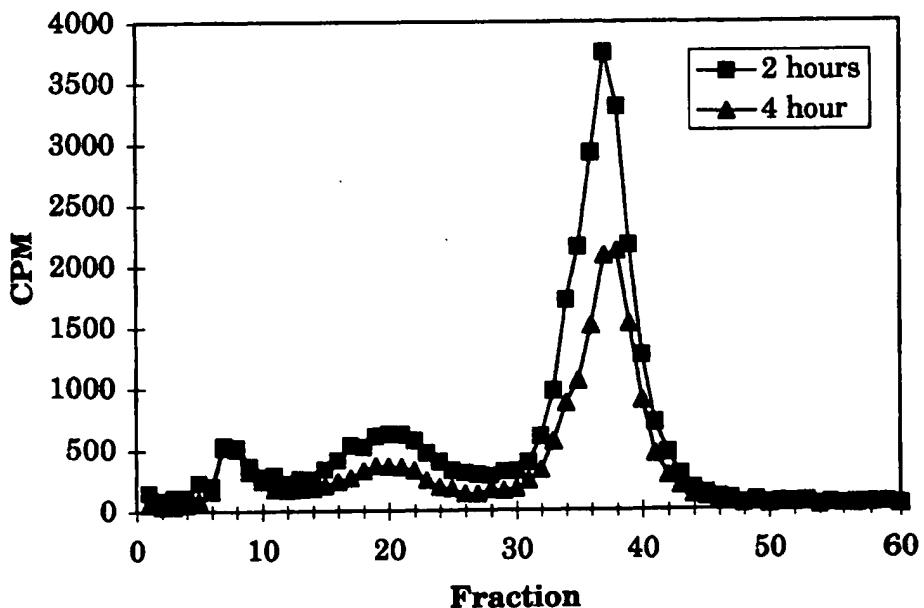
TG 5, cont

Book Number  
GDS - 5748  
Page  
**159**

### TG 5 CETP Activity in vivo



### TG 5 CETP Activity in vivo



Author's Signature

Bruce Kuhn

Date

12-9-96

Read and Understood By

John Kuhn

Date

1/27/99

Book Number <b>GDS - 5748</b>	Subject <b>TG5 , cont</b>	Project Number <b>505711</b>	Project Ni <b>S</b>
Page <b>160</b>		<b>SEARLE</b>	

	5 min	2 hour	4 hour
VLDL	5445	2904	2362
% of total	7	9	12
LDL	7992	6860	3850
% of total	10	21	20
HDL	65561	21545	12663
% of total	80	66	64
Total	81775	32471	19668
% transferred	16.43	30.07	31.58

12

F.

C

G1

Author's Signature <i>Perry Kuhn</i>	Date 12-9-96	Read and Understood By <i>Angie Robinson</i>	Date 1/27/97
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Author's Signature <i>JL</i>
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Project Number <b>565711</b>	Subject <b>TG6</b> <b>3 week diet</b>	Book Number <b>GDS - 5748</b>
<b>SEARLE</b>		Page <b>161</b>

12-5-96

3 groups, 6 animals each. All CETP-TG on 1% cholesterol diet for 3 weeks.  
 Inject 100  $\mu$ l HAL 151 retro A6 sinus (in  $\text{CO}_2$ )  
 3 time points : 5 min, 1 hour, 2 hours.  
 Pentobarb 1% for cardiac sticks. EDTA micro-tainer tubes.

F5 CETP-Tg # 248, 249, 250, 283, 285, 286, 287,  
~~284~~, 288, 289, 296, 297, 303, 304, 305,  
 306, 307, 308, 309

Group A 5 min (actually 10 min.)

A1	♀	23.6 g
A2	♀	22.4
A3	♀	24.87.99
A4	♂	24.5
A5	♂	26.4
A6	♂	22.0

p.95 HAL 151

B6  
12-10-96

HAL151 = 16  $\mu\text{Ci}/\text{ml}$

.016  $\mu\text{Ci}/\text{ml} \times 50 \mu\text{l} = 0.8 \mu\text{Ci}$

Group B 1 Hour

B1	♀	19.7
B2	♀	19.8
B3	♀	18.8
B4	♂	24.0
B5	♂	25.2
B6	♂	24.9

For disposal < .05  $\mu\text{Ci}/\text{g}$   
 20g mouse = 1  $\mu\text{Ci}$

Dilute HAL151 to 10  $\mu\text{Ci}/\text{ml}$   
 inj. 100  $\mu\text{l}$

Group C 2 Hour

C1	♀	19.2
C2	♀	19.0
C3	♀	22.9
C4	♂	23.8
C5	♂	25.8
C6	♂	24.5

Author's Signature <i>Beverly Kerec</i>	Date 12-9-96	Read and Understood By <i>(Signature)</i>	Date 1/27/97
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Book Number <b>GDS - 5748</b>	Subject <b>TG 6</b>	Project Number <b>565711</b>
Page <b>162</b>	<b>SEARLE</b>	

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.001	0.001	0.001	0.021	0.016	0.010	0.050	0.027	0.005	0.001	0.001	-0.013
B	0.034	0.038	0.001	0.014	0.016	0.010	0.068	0.014	0.003	0.003	0.001	-0.012
C	0.083	0.080	0.003	0.010	0.018	0.012	0.089	0.012	0.001	0.001	0.001	-0.013
D	0.157	0.165	0.001	0.010	0.016	0.012	0.127	0.008	0.001	0.001	0.001	-0.012
E	0.306	0.323	0.003	0.012	0.016	0.016	0.172	0.010	0.001	0.001	0.001	-0.012
F	0.463	0.470	0.014	0.016	0.014	0.020	0.168	0.014	0.003	0.001	0.001	-0.012
G	0.615	0.621	0.038	0.016	0.012	0.025	0.112	0.016	0.003	0.001	0.003	-0.012
H	0.757	0.773	0.038	0.019	0.010	0.034	0.058	0.014	0.003	0.001	0.003	-0.012

READ DATE:

12/8/86

ASSAY NAME:

TG6PLCA

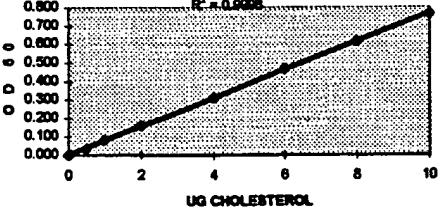
## CHOLESTEROL ASSAY

ug	MEAN	SD	CALC
STD	OD 1	OD 2	STD
0	0.001	0.001	0.00
0.5	0.034	0.038	0.036
1	0.083	0.080	0.165
2	0.157	0.165	0.161
4	0.306	0.323	0.315
6	0.463	0.470	0.467
8	0.615	0.616	0.616
10	0.757	0.773	0.765

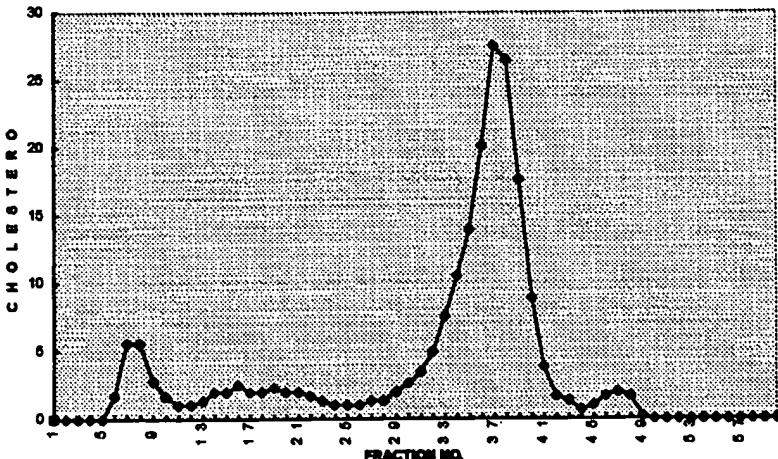
CHOLESTEROL STD CURVE

$$y = 0.0760x + 0.0038$$

$$R^2 = 0.9998$$



TG6PLCA



Author's Signature

Dowrey Kline

Date

12-9-96

Read and Understood By

G. Robison

Date

1/27/89

Author:

Project Number  
505711  
SEARLE

Subject

TG 6

Book Number

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	1	2	3	4	5	6	7	8	9	10	11	12
A	0.001	0.000	-0.001	0.018	0.011	0.007	0.040	0.021	0.000	-0.002	-0.014	-0.013
B	0.033	0.036	-0.001	0.011	0.012	0.007	0.065	0.012	0.002	-0.002	-0.014	-0.014
C	0.082	0.074	-0.001	0.008	0.014	0.008	0.087	0.008	0.001	-0.001	-0.002	-0.014
D	0.159	0.164	0.000	0.008	0.014	0.008	0.124	0.005	-0.001	-0.002	-0.014	-0.015
E	0.315	0.324	0.001	0.008	0.013	0.009	0.161	0.005	-0.001	-0.002	-0.014	-0.014
F	0.457	0.464	0.012	0.009	0.011	0.014	0.145	0.007	0.003	-0.002	-0.014	-0.014
G	0.614	0.606	0.038	0.011	0.011	0.018	0.092	0.005	0.005	-0.001	-0.012	-0.013
H	0.762	0.757	0.034	0.014	0.008	0.024	0.045	0.005	0.000	-0.002	-0.010	-0.008

READ DATE:

12/9/96

ASSAY NAME:

TG6 FPLC-B

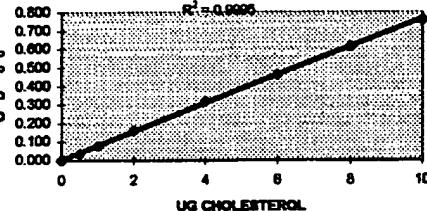
CHOLESTEROL ASSAY

ug	MEAN	SD	CALC
STD	OD 1	OD 2	STD
0	0.001	0.000	0.001
0.5	0.033	0.036	0.035
1	0.082	0.074	0.078
2	0.159	0.164	0.162
4	0.315	0.324	0.320
6	0.457	0.464	0.461
8	0.614	0.616	0.615
10	0.762	0.757	0.760

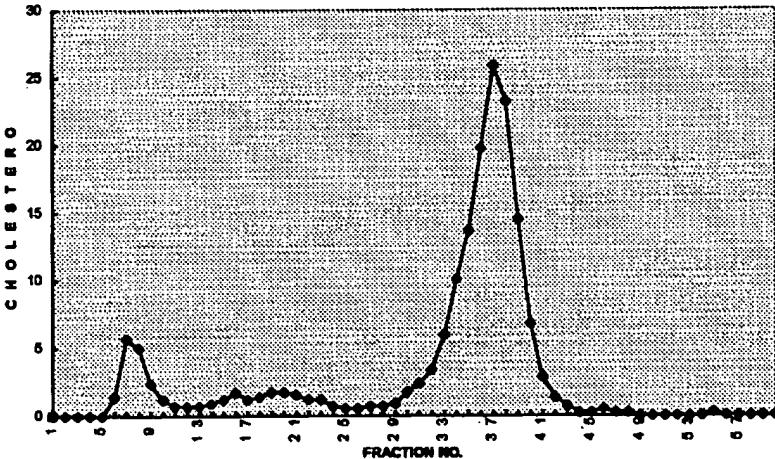
CHOLESTEROL STD CURVE

$$y = 0.0762x + 0.0035$$

$R^2 = 0.9999$



TG6 FPLC-B



Author's Signature

Beverley Kakee

Date

12-9-96

Read and Understood By

(Signature)

Date

1/27/99

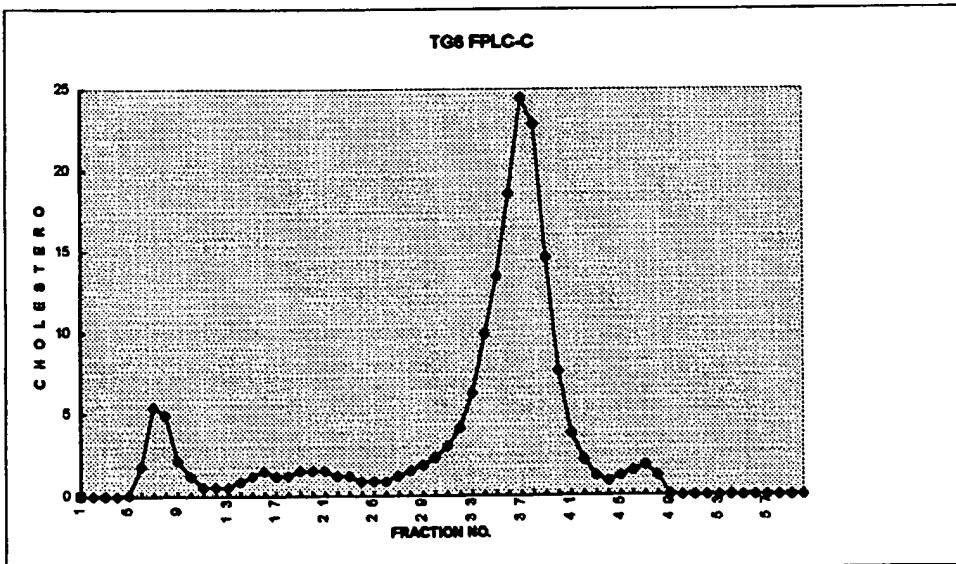
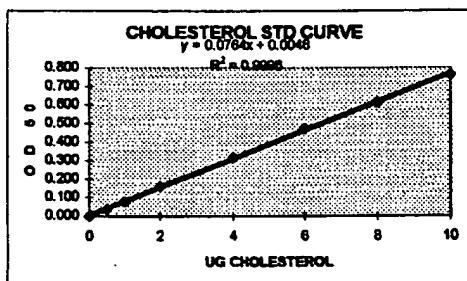
Book Number	Subject	Project Number
<b>GDS - 5748</b>	TG 6	<b>5745711</b>
Page	FPLC Raw data	<b>SEARLE</b>
<b>164</b>		

Project 1

	1	2	3	4	5	6	7	8	9	10	11	12	READ D
A	0.001	0.001	0.001	0.018	0.012	0.010	0.043	0.028	0.005	0.001	0.001	0.001	12/08/
B	0.034	0.038	0.001	0.012	0.012	0.010	0.065	0.018	0.001	0.001	0.001	0.001	ASSAY N
C	0.077	0.084	0.001	0.008	0.014	0.012	0.087	0.012	0.001	0.001	0.001	0.001	TG8 FPL
D	0.161	0.160	0.001	0.008	0.014	0.014	0.118	0.010	0.001	0.001	0.005	0.003	
E	0.313	0.322	0.005	0.008	0.014	0.018	0.154	0.012	0.001	0.001	0.001	0.003	
F	0.471	0.472	0.016	0.010	0.012	0.019	0.144	0.014	0.001	0.001	0.001	0.003	
G	0.610	0.612	0.038	0.012	0.012	0.023	0.094	0.016	0.001	0.001	0.001	0.003	
H	0.748	0.778	0.035	0.014	0.010	0.030	0.051	0.012	0.001	-0.001	0.001	0.003	

## **CHOLESTEROL ASSAY**

CHOLESTEROL ASSAY		MEAN	SD								CALC
ug	STD	OD 1	OD 2	OD	OD	m	b	#N/A	#N/A	#N/A	STD
0	0.001	0.001	0.001	0.000	0.004	0.0764	0.0046	#N/A	#N/A	#N/A	-0.047
0.5	0.034	0.039	0.037	0.004	0.0006	0.0034	0.0006	#N/A	#N/A	#N/A	0.418
1	0.077	0.084	0.081	0.005	0.0003	0.0034	0.0003	#N/A	#N/A	#N/A	0.994
2	0.161	0.160	0.161	0.001	0.0002	0.0063	0.0002	#N/A	#N/A	#N/A	2.042
4	0.313	0.322	0.318	0.008	0.0002	6.000	0.0002	#N/A	#N/A	#N/A	4.097
6	0.471	0.472	0.472	0.001	0.0002	0.000	0.0002	#N/A	#N/A	#N/A	6.113
8	0.610	0.616	0.613	0.004							7.966
10	0.746	0.778	0.762	0.023							9.917



Author's Signature	Date	Read and Understood By	Date
Beverly Keene	12-9-96	TS Robert	1/29/99

Project Number  
505711  
SEARLE

Subject

TG 6

Book Number

GDS - 5748

Page

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	1	2	3	4	5	6	7	8	9	10	11	12
A	0.001	0.001	0.162	0.171	0.144	0.145	0.084	0.088	0.285	0.268	0.231	0.243
B	0.032	0.036	0.146	0.154	0.146	0.145	0.150	0.172	0.352	0.343	0.247	0.278
C	0.080	0.082	0.116	0.117	0.080	0.080	0.123	0.139	0.186	0.183	0.197	0.198
D	0.150	0.160	0.163	0.164	0.154	0.157	0.150	0.183	0.254	0.247	0.108	0.105
E	0.301	0.295	0.225	0.222	0.179	0.191	0.119	0.132	0.184	0.149	0.245	0.245
F	0.430	0.436	0.170	0.176	0.142	0.145	0.103	0.117	0.184	0.175	0.193	0.194
G	0.578	0.567	0.162	0.162	0.133	0.137	0.096	0.103	0.171	0.164	0.250	0.243
H	0.719	0.735	0.142	0.148	0.189	0.191	0.087	0.098	0.117	0.111	0.238	0.231

READ DATE:

12/9/96

ASSAY NAME:

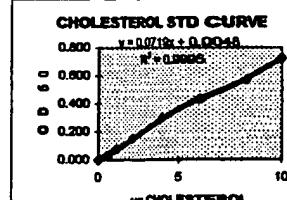
TG6 TCHOL & HDL-CH

CHOLESTEROL ASSAY

ug	OD 1	OD 2	MEAN	SD								CALC
STD	OD 1	OD 2	OD	SD								STD
0	0.001	0.001	0.001	0.000	m	b						-0.052
0.5	0.032	0.036	0.034	0.003	0.0719	0.0048	#N/A	#N/A	#N/A	#N/A	#N/A	0.407
1	0.080	0.062	0.081	0.001	0.0006	0.0033	#N/A	#N/A	#N/A	#N/A	#N/A	1.061
2	0.150	0.160	0.155	0.007	0.8995	0.0062	#N/A	#N/A	#N/A	#N/A	#N/A	2.091
4	0.301	0.295	0.298	0.004	6.000	0.002	#N/A	#N/A	#N/A	#N/A	#N/A	4.081
6	0.430	0.436	0.433	0.004	0.502	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	5.960
8	0.578	0.567	0.573	0.008								7.901
10	0.719	0.735	0.727	0.011								10.051

SAMPLE RESULTS (DUPLICATES)

SAMP.	NO.	(ml)	OD 1	OD 2	MEAN	SD	CALC.	CALC.	DF	mg/dl		
			OD	OD	OD	ug	ug/od	ug/od		CHOL		
1	0.040	0.162	0.171	0.167	0.006	2.251	56.275	10.000	56.275	A1	TCHOL	
2	0.040	0.146	0.154	0.150	0.006	2.021	50.534	10.000	50.534	A2		
3	0.040	0.116	0.117	0.117	0.001	1.555	38.879	10.000	38.879	A3		
4	0.040	0.163	0.164	0.164	0.001	2.208	55.231	10.000	55.231	A4		
5	0.040	0.225	0.222	0.224	0.002	3.044	76.108	10.000	76.108	A5		
6	0.040	0.170	0.178	0.173	0.004	2.341	58.536	10.000	58.536	A6		
7	0.040	0.162	0.162	0.162	0.000	2.188	54.709	10.000	54.709	POOL A		
8	0.040	0.142	0.148	0.145	0.004	1.952	48.795	10.000	48.795	B1		
9	0.040	0.144	0.145	0.145	0.001	1.945	48.621	10.000	48.621	B2		
10	0.040	0.146	0.145	0.148	0.001	1.959	48.969	10.000	48.969	B3		
11	0.040	0.080	0.080	0.080	0.000	1.047	26.180	10.000	26.180	B4		
12	0.040	0.154	0.157	0.158	0.002	2.088	52.448	10.000	52.448	B5		
13	0.040	0.179	0.191	0.185	0.008	2.508	62.711	10.000	62.711	B6		
14	0.040	0.142	0.145	0.144	0.002	1.931	48.273	10.000	48.273	POOL B		
15	0.040	0.133	0.137	0.135	0.003	1.813	45.315	10.000	45.315	C1		
16	0.040	0.188	0.191	0.180	0.001	2.578	64.451	10.000	64.451	C2		
17	0.040	0.084	0.088	0.086	0.003	1.131	28.268	10.000	28.268	C3		
18	0.040	0.150	0.172	0.161	0.018	2.174	54.361	10.000	54.361	C4		
19	0.040	0.123	0.139	0.131	0.011	1.757	43.924	10.000	43.924	C5		
20	0.040	0.150	0.163	0.167	0.023	2.251	56.275	10.000	56.275	C6		
21	0.040	0.119	0.132	0.128	0.009	1.680	42.010	10.000	42.010	POOL C		
22	0.040	0.103	0.117	0.110	0.010	1.485	38.618	5.500	20.140	A1	HDL-CH	
23	0.040	0.096	0.103	0.100	0.005	1.319	32.985	5.500	18.190	A2		
24	0.040	0.087	0.098	0.093	0.008	1.221	30.529	5.500	18.781	A3		
25	0.040	0.285	0.266	0.276	0.013	3.768	94.187	5.500	51.809	A4		
26	0.040	0.352	0.343	0.348	0.008	4.770	119.247	5.500	65.588	A5		
27	0.040	0.198	0.183	0.191	0.011	2.585	64.625	5.500	35.544	A6		
28	0.040	0.254	0.247	0.251	0.005	3.420	85.499	5.500	47.025	POOL A		
29	0.040	0.184	0.149	0.157	0.011	2.112	52.798	5.500	29.038	B1		
30	0.040	0.184	0.175	0.180	0.008	2.432	60.798	5.500	33.438	B2		
31	0.040	0.171	0.164	0.168	0.005	2.265	56.623	5.500	31.142	B3		
32	0.040	0.117	0.111	0.114	0.004	1.520	38.009	5.500	20.906	B4		
33	0.040	0.231	0.243	0.237	0.008	3.232	60.803	5.500	44.441	B5		
34	0.040	0.247	0.278	0.263	0.022	3.587	69.674	5.500	49.321	B6		
35	0.040	0.197	0.198	0.198	0.001	2.682	67.080	5.500	38.883	POOL B		
36	0.040	0.108	0.105	0.107	0.002	1.416	35.400	5.500	19.470	C3		
37	0.040	0.245	0.245	0.245	0.000	3.343	83.586	5.500	45.972	C4		
38	0.040	0.193	0.194	0.194	0.001	2.627	66.668	5.500	36.118	C5		
39	0.040	0.250	0.243	0.247	0.005	3.384	84.108	5.500	46.259	C6		
40	0.040	0.236	0.231	0.234	0.004	3.183	79.585	5.500	43.772	POOL C		



Author's Signature

Perry Kekue

Date

12-9-96

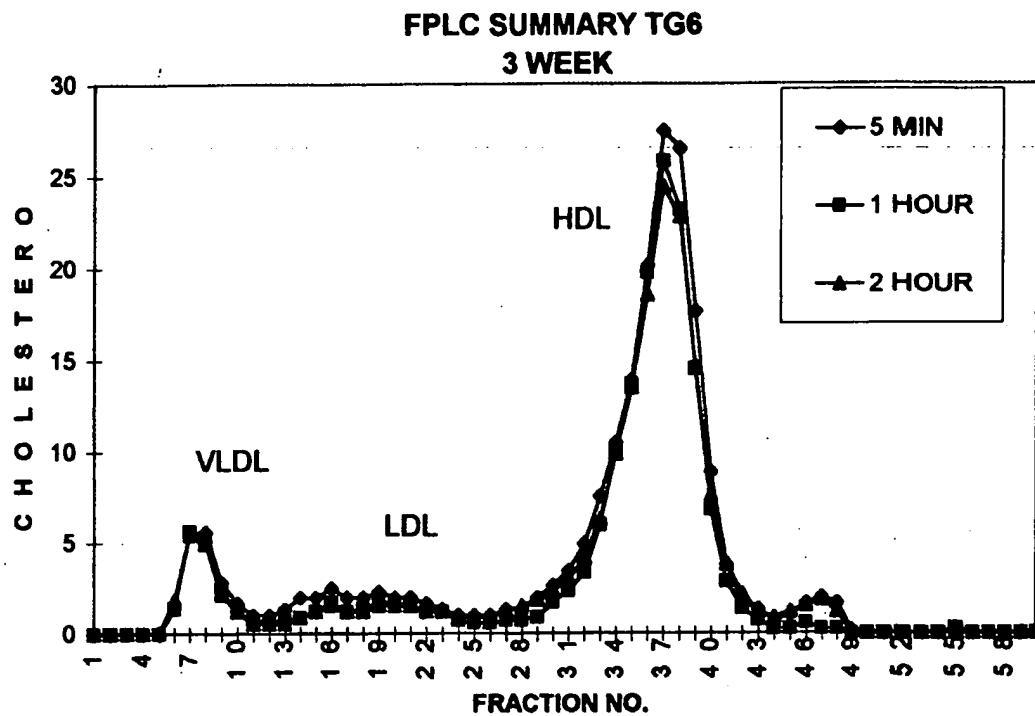
Read and Understood By

M. J. Ritter

Date

1/27/97

Book Number <b>GDS - 5748</b>	Subject <b>TG 6 Results</b>	Project Number <b>565711</b>
Page <b>166</b>		Project <b>SEARLE</b>



<b>FPLC PROFILE</b>			
<b>TG6 3 WEEK</b>			
	<b>GROUP A</b>	<b>GROUP B</b>	<b>GROUP C</b>
	<b>CETP-TG</b>	<b>CETP-TG</b>	<b>CETP-TG</b>
	<b>5 MIN</b>	<b>1 HOUR</b>	<b>2 HOUR</b>
<b>VLDL fx 5-13</b>	17.4	15.7	15.8
%	8	9	9
<b>LDL fx 14-29</b>	27.6	18.2	20.4
%	13	11	11
<b>HDL fx 30-47</b>	155.9	133.6	140
%	76	79	78
<b>TOTAL ug CHOL</b>	206.1	170.2	179.2

Author's Signature <i>Tommy Keene</i>	Date 12-9-96	Read and Understood By <i>Tommy Keene</i>	Date 1/27/97
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Author's  
Signature

Project Number  
565711  
**SEARLE**

Subject

**TG 6 Results**

Book Number

GDS - 5748

Page

**167**

**TG6  
3 WEEK**

**GROUP A  
CETP-TG  
5 MIN**

**GROUP B  
CETP-TG  
1 HOUR**

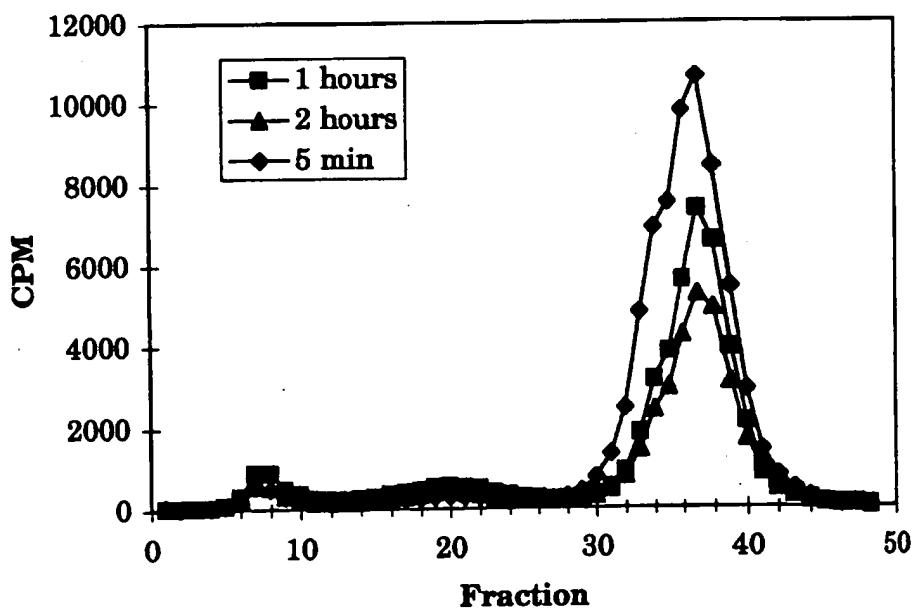
**GROUP C  
CETP-TG  
2 HOUR**

	56.3	48.8	45.3
	50.5	48.6	64.5
	38.9	49.0	28.3
	55.2	26.2	54.4
	76.1	52.4	43.9
	58.5	62.7	56.3
MEAN	55.9	48.0	48.8
STDEV	12.1	12.0	12.6

HDL-CH	20.1	29.0	
	18.1	33.4	
	16.8	31.1	19.5
	51.8	20.9	46.0
	65.6	44.4	36.1
	35.5	49.3	48.3
MEAN	34.7	34.7	37.0
STDEV	20.3	10.4	12.6

COUNTS

**TG 6 CETP Activity in vivo**



Author's Signature

Beverly Keene

Date

12-9-96

Read and Understood By

JG Robinson

Date

1/27/97

Book Number  
**GDS - 5748**  
Page  
**168**

Subject

TG 6 Results

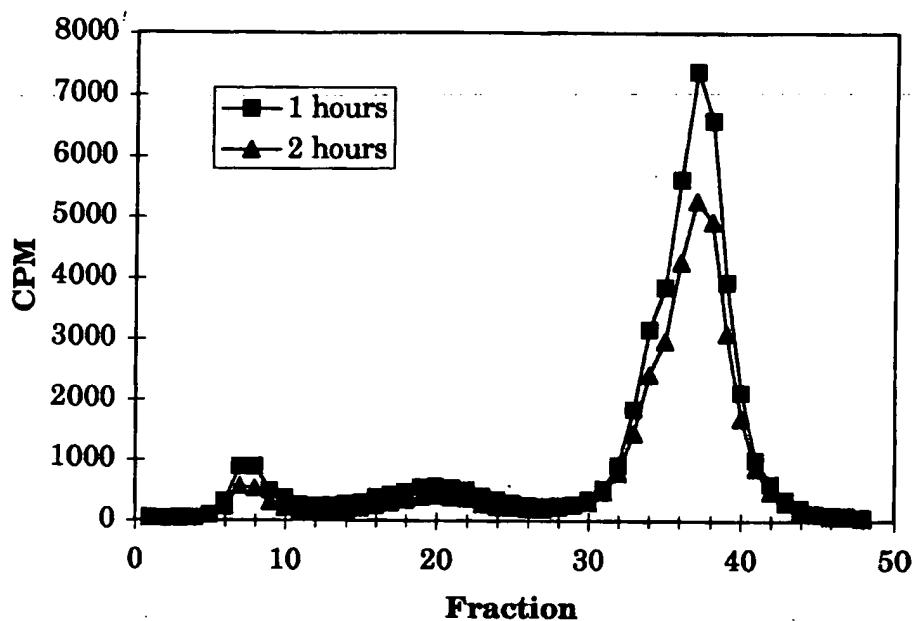
Project Number

**565711**

**SEARLE**

Project

## TG 6 CETP Activity in vivo



	5 min	1 hour	2 hour
VLDL	2356	3795	2423
% of total	3	8	7
LDL	4092	6082	4324
% of total	6	12	12
HDL	64371	38698	29705
% of total	91	79	81
Total	71077	48806	36672
% transferred	9.07	20.24	18.40

Author's Signature

*Emery Kerec*

Date

*12-9-96*

Read and Understood By

*Z. Robinson*

Date

*1/27/99*

Author's

Project Number 565711	Subject Rabbit Lipo protein Z-axis	Book Number GDS - 57448
SEARLE		Page 169

12-4-96      50μl rab. prep + 5μl super blue  
use 8 μl / lane

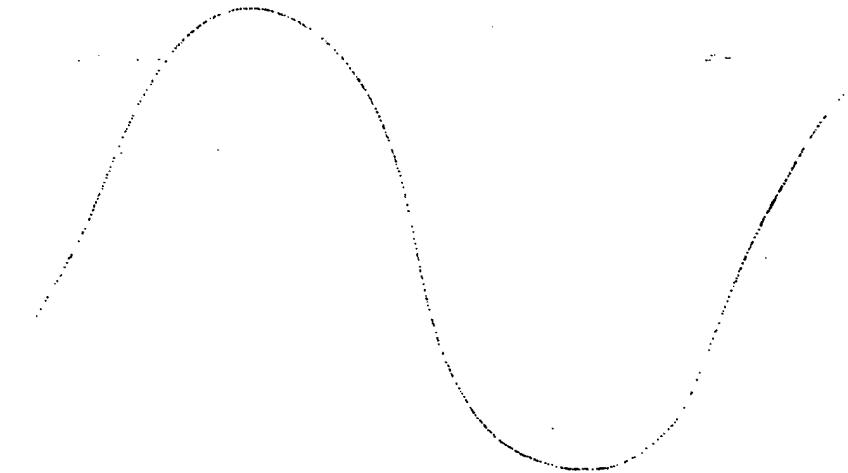
Pre-Run 10 min 100 V.

- |        |                    |   |
|--------|--------------------|---|
| Lane 1 | sera               | } comb was not set deep enough & sera spread. |
| 2      | ↓                  |   |
| 3      |                    |   |
| 4      | filtered sera      | Lanes 7, 8, 9 : sample is higher in gel       |
| 5      | VLDL               |   |
| 6      | LDL                |   |
| 7      | HDL                |   |
| 8      | ????               |   |
| 9      | HDL - bottom 11/20 |   |
| 10     | HDL - middle 11/21 |   |

Run 6 hours 100 V.

Stain overnight

Destain in Am with one change of destain



Author's Signature Murray Kiser	Date 12-4-96	Read and Understood By Bob Robison	Date 1/27/99
------------------------------------	-----------------	---------------------------------------	--------------

Book Number <b>GDS - 5748</b>	Subject TG7 3 week chol diet / 142 Hour	Project Number <b>505711</b> <b>SEARLE</b>
Page <b>170</b>		

12-11-96

19

3 Groups : 6 animals each ~~del 127-99~~ CETP-Tg + Non-Tg

Group A 1 Hour CETP-Tg

A1 ♀	19.2	19.2
A2 ♀	20.7	> wt. taken before bleed
A3 ♀	18.5	
A4 ♂	25.4	
A5 ♂	23.9	
A6 ♂	24.7	

Group B 2 Hour CETP-Tg

B1 ♀	22.0	
B2 ♀	18.4	
B3 ♀	19.0	
B4 ♂	24.1	
B5 ♂	25.2	
B6 ♂	Died after 3H-HDL inj.	

Group C 2 Hour Non-Tg Lot# 9960902

C1 ♀	27.2	
C2 ♀	29.8	
C3 ♀	30.8	
C4 ♂	29.6	
C5 ♂	29.5	
C6 ♂	32.3	

CETP-Tg # 310, 311, 321, 322-328, 294, 295

Author's Signature <i>Beverly Kellee</i>	Date 12-11-96	Read and Understood By <i>(initials) Kellee</i>	Date 1/29/97
---	------------------	--	-----------------

Author's  
*/*

Project Number 5005711	Subject TG7	Book Number GDS - 5748
SEARLE		Page 171

10-11-96

all mice put on diet (Teklad 92181) (1% chol)  
on Nov. 20.

Mice were put down w/ CO<sub>2</sub> and <sup>3</sup>H-HDL 151  
(p. 161) 100 µl in orbital sinus.

After appropriate time mice were given pentobarb  
IP and cardiac sticks done.

Spin blood. Pool sera for FPLC

Grp A 150 µl each 0.1P-Tg 6  
filtered

500 µl applied

Grp B 200 µl #1, 2, 5 0.1P-Tg 6

150 µl #3

100 µl #4

Grp C 300 µl each 0.1P-Tg 6

Make 1:10 dilution of samples & pools for T chol.

Count 200 µl

Author's Signature Barney Kipe	Date 12-12-96	Read and Understood By Pat Robson	Date 1/27/97
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Book Number  
GDS - 5748  
Page 172

Subject

TG 7

Project Number

565711

**SEARLE**

Project

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.001	0.001	0.175	0.173	0.131	0.194	0.180	0.156	-0.014	-0.014	-0.014	-0.013
B	0.033	0.038	0.155	0.156	0.124	0.130	0.189	0.184	-0.014	-0.013	-0.014	-0.013
C	0.089	0.085	0.170	0.169	0.194	0.185	0.221	0.216	-0.014	-0.013	-0.013	-0.013
D	0.159	0.169	0.084	0.085	0.158	0.168	0.181	0.177	-0.014	-0.013	-0.013	-0.013
E	0.318	0.324	0.214	0.213	0.166	0.170	0.001	0.002	-0.013	-0.013	-0.013	-0.013
F	0.471	0.479	0.182	0.185	0.153	0.163	0.002	0.001	-0.014	-0.013	-0.012	-0.013
G	0.614	0.630	0.163	0.167	0.164	0.165	0.002	0.002	-0.013	-0.013	-0.013	-0.013
H	0.758	0.787	0.205	0.205	0.167	0.175	0.000	0.000	-0.012	-0.013	-0.009	-0.013

READ DATE:

12/12/96

ASSAY NAME:

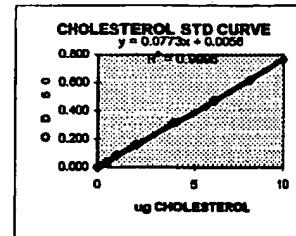
TG2-TGNDL

**CHOLESTEROL ASSAY**

ug STD	MEAN		SD	CALC.		STD
	OD 1	OD 2		OD	b	
0	0.001	0.001	0.001	0.000	m	-0.059
0.5	0.033	0.038	0.036	0.004	0.0773	0.0056
1	0.069	0.085	0.087	0.003	0.0006	0.0034
2	0.159	0.169	0.164	0.007	0.0006	0.0063
4	0.318	0.324	0.321	0.004	0.0006	6.000
6	0.471	0.479	0.475	0.006	0.580	0.000
8	0.614	0.630	0.622	0.011	#N/A	#N/A
10	0.758	0.787	0.773	0.021		9.927

**SAMPLE RESULTS (DUPLICATES)**

SAMP.	NO.	(ml)	OD 1	OD 2	MEAN	SD	CALC.	CALC.	DF	mg/dl	CHOL
			OD	OD	ug	ug/ml	ug/ml	ug/ml			
1	0.040	0.175	0.173	0.174	0.001	2.180	54.508	10.000	54.508	A1	
2	0.040	0.155	0.156	0.156	0.001	1.941	48.522	10.000	48.522	A2	
3	0.040	0.170	0.169	0.170	0.001	2.122	53.052	10.000	53.052	A3	
4	0.040	0.084	0.085	0.085	0.001	1.022	25.548	10.000	25.548	A4	
5	0.040	0.214	0.213	0.214	0.001	2.682	67.291	10.000	67.291	A5	
6	0.040	0.182	0.185	0.184	0.002	2.303	57.582	10.000	57.582	A6	
7	0.040	0.183	0.167	0.165	0.003	2.084	51.598	10.000	51.598	POOL A	
8	0.040	0.205	0.205	0.205	0.000	2.582	64.540	10.000	64.540	B1	
9	0.040	0.131	0.134	0.133	0.002	1.643	41.079	10.000	41.079	B2	
10	0.040	0.124	0.130	0.127	0.004	1.572	39.298	10.000	39.298	B3	
11	0.040	0.194	0.185	0.190	0.006	2.381	59.524	10.000	59.524	B4	
12	0.040	0.158	0.168	0.163	0.007	2.038	50.949	10.000	50.949	B5	
13	0.040	0.168	0.170	0.168	0.003	2.103	52.567	10.000	52.567	POOL B	
14	0.040	0.153	0.163	0.158	0.007	1.973	49.331	10.000	49.331	C1	
15	0.040	0.164	0.165	0.165	0.001	2.057	51.434	10.000	51.434	C2	
16	0.040	0.167	0.175	0.171	0.008	2.141	53.537	10.000	53.537	C3	
17	0.040	0.180	0.156	0.158	0.003	1.973	49.331	10.000	49.331	C4	
18	0.040	0.188	0.184	0.187	0.004	2.342	58.553	10.000	58.553	C5	
19	0.040	0.221	0.216	0.219	0.004	2.758	68.909	10.000	68.909	C6	
20	0.040	0.181	0.177	0.179	0.003	2.245	56.126	10.000	56.126	POOL C	



TG7

3 WEEK

GROUP A  
 CETP-TG  
 1 HOUR

GROUP B  
 CETP-TG  
 2 HOUR

GROUP C  
 NON-TG  
 2 HOUR

T-CHOL	54.5	64.540	49.3
	48.5	41.079	51.4
	53.1	39.299	53.5
	25.5	59.524	49.3
	67.3	50.949	58.6
	57.6		68.9
	51.1		55.2
MEAN	51.1		7.6
STDEV	14.0	11.1	

41.1  
51.1  
12.6

Author's Signature

Beverly Kerec

Date

12-12-96

Read and Understood By

PG (T. D. Johnson)

Date

1/27/97

Author

Project Number 5205711	Subject TG7	Book Number GDS - 5748
SEARLE		Page 173

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.002	0.020	0.000	0.016	0.011	0.013	0.052	0.029	0.003	0.001	-0.009	-0.010
B	0.038	0.040	0.002	0.009	0.014	0.012	0.072	0.017	0.002	0.002	-0.013	-0.013
C	0.086	0.089	0.002	0.008	0.015	0.015	0.102	0.012	0.003	0.001	0.011	-0.012
D	0.161	0.165	0.003	0.010	0.018	0.016	0.138	0.010	0.003	0.001	-0.012	-0.013
E	0.321	0.326	0.005	0.010	0.017	0.020	0.176	0.012	0.003	0.001	-0.010	-0.010
F	0.478	0.486	0.014	0.012	0.016	0.024	0.162	0.016	0.003	0.001	-0.008	-0.011
G	0.627	0.634	0.031	0.015	0.016	0.028	0.103	0.022	0.003	0.002	-0.012	-0.011
H	0.774	0.774	0.029	0.017	0.012	0.036	0.053	0.015	0.003	0.000	-0.008	-0.010

READ DATE:

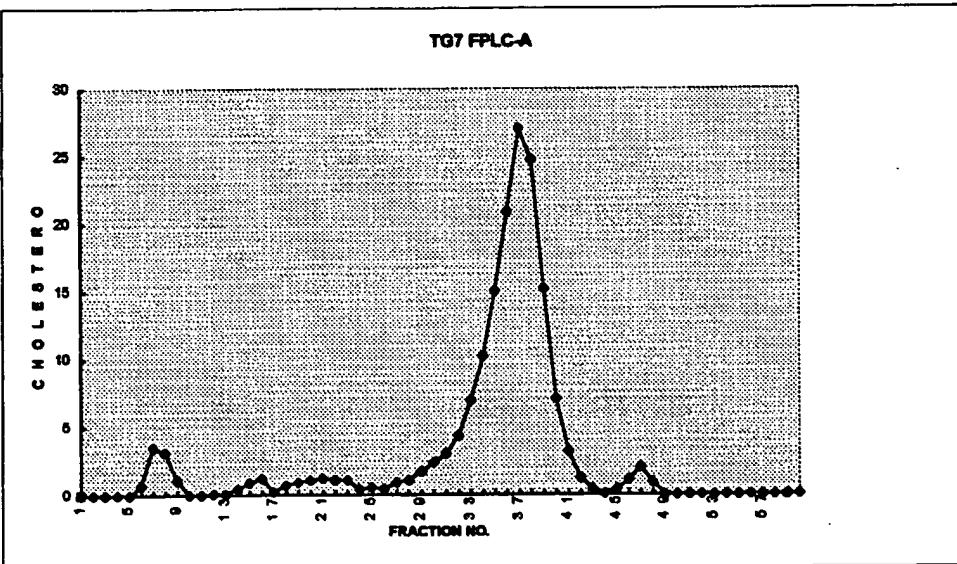
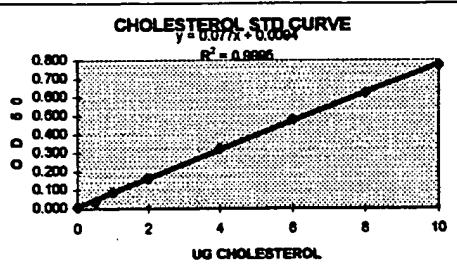
12/12/96

ASSAY NAME:

TG7 FPLC-A

## CHOLESTEROL ASSAY

ug	MEAN	SD	CALC
STD	OD 1	OD 2	STD
0	0.002	0.020	0.021
0.5	0.038	0.040	0.038
1	0.086	0.089	0.088
2	0.161	0.165	0.163
4	0.321	0.326	0.324
6	0.478	0.486	0.482
8	0.627	0.634	0.622
10	0.774	0.774	0.774
			9.931
	m	b	
	0.0770	0.0094	
	#N/A	#N/A	



Author's Signature

Beverly Kekes

Date

12-12-96

Read and Understood By

Anil Kothiyal

Date

12/27/96

Book Number  
GDS - 5748  
Page  
174

Subject

TG 7

Project Number

565711

**SEARLE**

Proj

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.001	0.002	0.003	0.016	0.015	0.013	0.058	0.033	0.008	0.003	-0.010	-0.011
B	0.056	0.042	0.002	0.010	0.018	0.023	0.075	0.020	0.008	0.004	-0.010	-0.011
C	0.090	0.089	0.002	0.010	0.018	0.017	0.108	0.013	0.005	0.004	-0.010	-0.011
D	0.185	0.171	0.004	0.010	0.020	0.017	0.158	0.012	0.005	0.004	-0.010	-0.011
E	0.322	0.328	0.005	0.010	0.020	0.025	0.208	0.011	0.008	0.004	-0.009	-0.009
F	0.476	0.482	0.014	0.012	0.017	0.030	0.190	0.013	0.005	0.004	-0.009	-0.010
G	0.628	0.633	0.031	0.018	0.016	0.032	0.118	0.016	0.006	0.008	-0.009	-0.010
H	0.761	0.782	0.029	0.018	0.016	0.043	0.061	0.014	0.006	0.004	-0.008	-0.010

READ DATE:

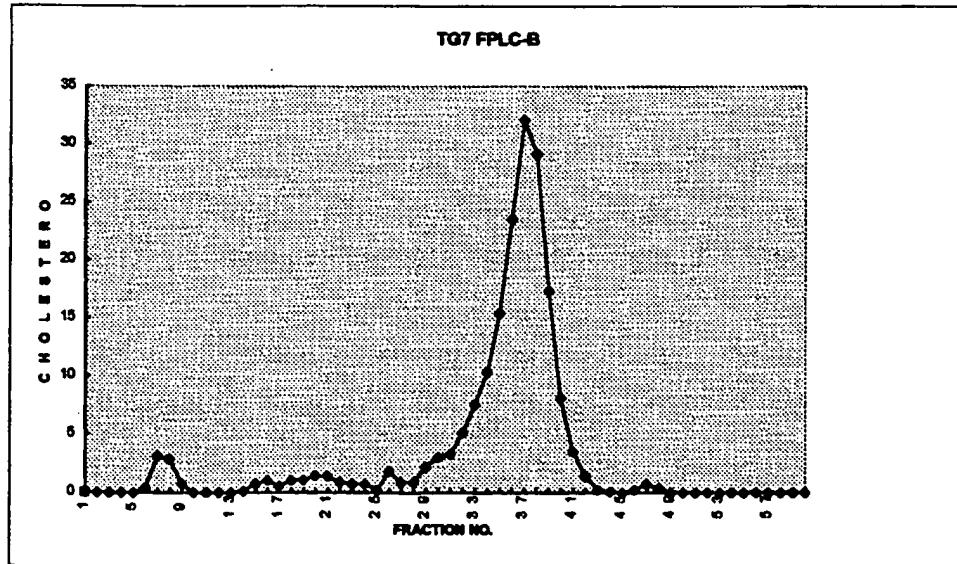
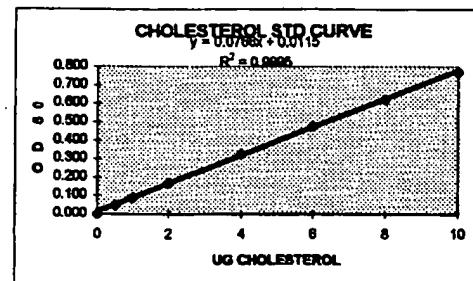
12/12/88

ASSAY NAME:

TG7 FPLC-B

CHOLESTEROL ASSAY

ug	STD	MEAN	SD	m	b	#N/A	#N/A	#N/A	#N/A	CALC	STD
	OD 1	OD 2	OD	OD							
0	0.001	0.002	0.002	0.001						-0.130	
0.5	0.056	0.042	0.049	0.010	0.0768	0.0115	#N/A	#N/A	#N/A	0.490	
1	0.090	0.089	0.090	0.001	0.0007	0.0036	#N/A	#N/A	#N/A	1.018	
2	0.165	0.171	0.168	0.004	0.8995	0.0067	#N/A	#N/A	#N/A	2.043	
4	0.322	0.328	0.325	0.004	6.000		#N/A	#N/A	#N/A	4.092	
6	0.476	0.482	0.479	0.004	0.571	0.000	#N/A	#N/A	#N/A	6.101	
8	0.628	0.616	0.622	0.008						7.968	
10	0.761	0.782	0.772	0.015						9.919	



Author's Signature

Beverly Kepic

Date

12-12-96

Read and Understood By

Jeff Johnson

Date

1/27/99

Auth

Project Number  
565711  
**SEARLE**

Subject

TG7

Book Number  
**GDS - 5748**

Page  
**175**

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.001	0.001	0.001	0.014	0.012	0.014	0.065	0.033	0.003	0.001	-0.014	-0.014
B	0.034	0.037	0.001	0.014	0.016	0.012	0.088	0.019	0.001	0.001	-0.014	-0.015
C	0.082	0.088	0.001	0.008	0.019	0.012	0.127	0.012	0.001	-0.001	-0.014	-0.014
D	0.160	0.167	0.001	0.010	0.022	0.014	0.193	0.008	0.001	0.001	-0.014	-0.014
E	0.312	0.319	0.003	0.008	0.019	0.018	0.243	0.006	0.001	-0.001	-0.014	-0.014
F	0.470	0.479	0.012	0.014	0.016	0.022	0.220	0.010	0.001	-0.001	-0.013	-0.014
G	0.616	0.624	0.027	0.016	0.018	0.032	0.133	0.010	0.001	-0.001	-0.013	-0.014
H	0.754	0.777	0.026	0.016	0.012	0.043	0.068	0.008	0.001	-0.001	-0.012	-0.014

READ DATE:

12/12/96

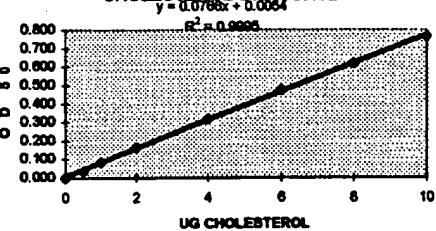
ASSAY NAME:

TG7 FPLC-C

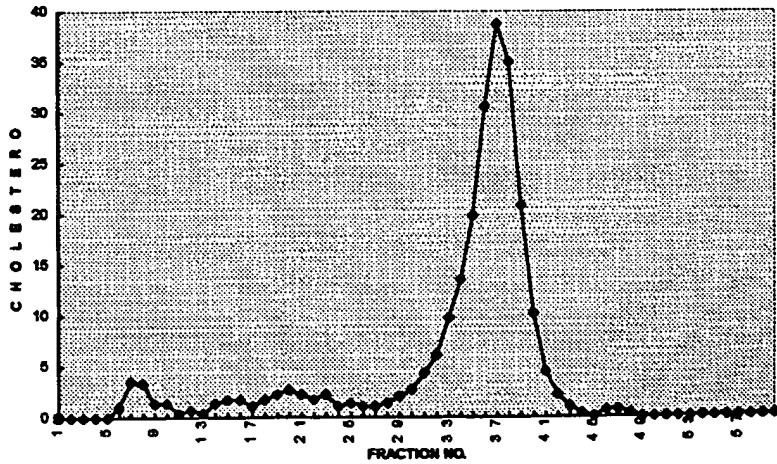
CHOLESTEROL ASSAY

ug	MEAN		SD			CALC	STD
	STD	OD 1	OD 2	OD	m	b	
0	0.001	0.001	0.001	0.000			-0.057
0.5	0.034	0.037	0.036	0.002	0.0786	0.0054	#N/A
1	0.082	0.088	0.085	0.004	0.0007	0.0035	#N/A
2	0.160	0.167	0.164	0.005	0.9995	0.0068	#N/A
4	0.312	0.319	0.316	0.005	0.9998	6.000	#N/A
6	0.470	0.479	0.475	0.006	0.571	0.000	#N/A
8	0.616	0.616	0.616	0.000			#N/A
10	0.754	0.777	0.766	0.016			8.123
							7.989
							9.920

CHOLESTEROL STD CURVE



TG7 FPLC-C



Author's Signature

Poerly Kekic

Date

12-12-96

Read and Understood By

Patricia R. O'Donnell

Date

12-12-96

Book Number  
GDS - 5748  
Page 176

Subject

TG7

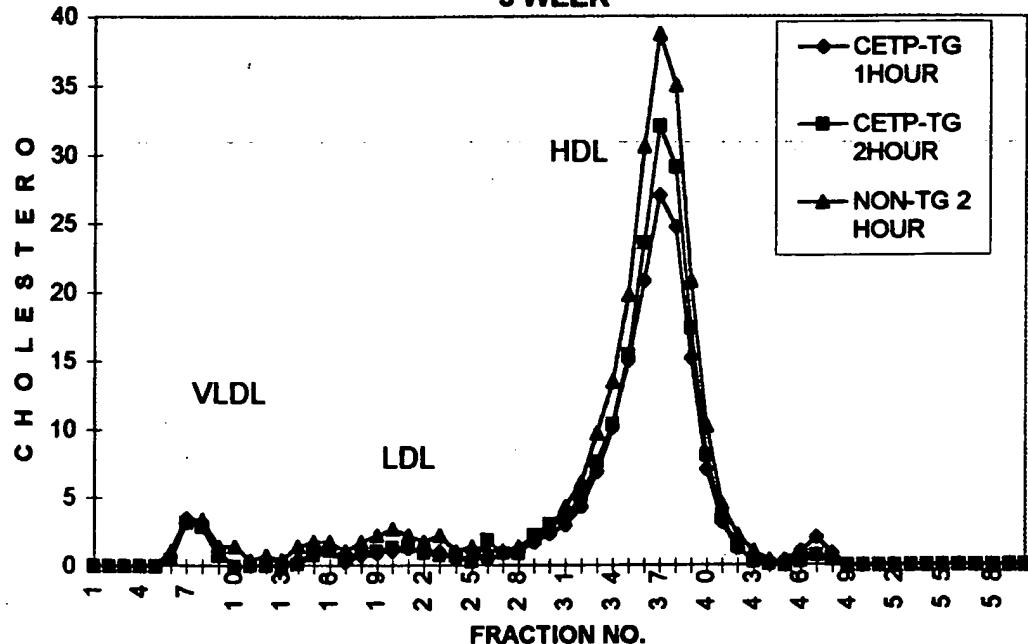
Project Number

505711  
SEARLE

Project

12

FPLC SUMMARY TG7  
3 WEEK



FPLC PROFILE			
TG7 3 WEEK			
	GROUP A	GROUP B	GROUP C
CETP-TG	CETP-TG	CETP-TG	NON-TG
1 HOUR	2 HOUR	2 HOUR	2 HOUR
VLDL fx 8-13	8.5	7.2	10.8
%	5	4	5
LDL fx 14-29	14	15.9	27
%	8	9	11
HDL fx 30-47	145.2	161.3	201.6
%	86	87	84
TOTAL ug CHOL	168.8	184.9	241

counts from FPLC - FPLC.058

Author's Signature Barry Kehoe	Date 12-12-96	Read and Understood By John Reinhart	Date 12/12/96
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Author's

Project Number	Subject	Book Number
505711		GDS - 5748
SEARLE	TG8 4 week	177

12-18-96

(Teklad 92181)

12 CETP-Tg mice on 1% Chol. diet for 4 weeks  
(since Nov. 20)

# 300, 301, 302, 312, 313, 314, 315, 316, 317,  
318, 319, 320

All F+

6 NCN-Tg mice on 1% Chol. diet since Nov. 20

BD 6-1-96

lot 9960902

Inj. 100 µl 3H-HDL (p. 161) into sinus cavity, under  
CO<sub>2</sub>

Group A - CETP-Tg 1 Hour

Group B - CETP-Tg 2 Hour

Group C - Non-Tg 2 Hour - All died after inj. of HDL

Reason for death unknown - stress, age?

A1	♀	31.5	B1	♀	21.8
A2	♀	20.3	B2	♀	22.0
A3	♀	20.6 (Died)	B3	♀	31.3
A4	♂	28.0	B4	♂	23.9
A5	♂	24.4	B5	♂	24.3
A6	♂	27.9	B6	♂	26.2

Group A+B - 200 µl each pooled (6/group, grp A only)  
FPLC filter, 500 µl applied to FPLC

Author's Signature	Date	Read and Understood By	Date
J. Wiley Kerec	12-20-96	J. Wiley Kerec	1/27/97

Book Number  
GDS - 5748  
Page 178

Subject

TG 8

Project Number

565711

SEARLE

Project 1

S

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.001	0.001	0.001	0.015	0.012	0.010	0.059	0.030	0.001	-0.001	-0.015	-0.015
B	0.031	0.038	-0.001	0.010	0.014	0.010	0.084	0.016	0.002	-0.001	-0.015	-0.015
C	0.083	0.087	0.000	0.007	0.015	0.013	0.119	0.010	0.000	0.000	-0.015	-0.014
D	0.157	0.172	-0.001	0.008	0.017	0.017	0.180	0.007	-0.001	-0.001	-0.014	-0.014
E	0.311	0.325	0.001	0.007	0.016	0.020	0.242	0.007	-0.001	-0.002	-0.014	-0.015
F	0.467	0.470	0.011	0.009	0.015	0.025	0.228	0.007	0.000	-0.001	-0.014	-0.013
G	0.609	0.618	0.033	0.012	0.012	0.031	0.140	0.017	0.000	-0.002	-0.015	-0.013
H	0.755	0.755	0.030	0.013	0.010	0.042	0.064	0.007	0.000	-0.002	-0.014	-0.014

READ DATE:

12/20/88

ASSAY NAME:

TG8 FPLC-A

CETP-TG

4 WK/HOUR

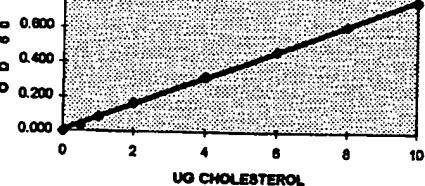
CHOLESTEROL ASSAY

ug	MEAN	SD	CALC
STD	OD 1	OD 2	OD
0	0.001	0.001	0.001
0.5	0.031	0.038	0.035
1	0.083	0.087	0.085
2	0.157	0.172	0.165
4	0.311	0.325	0.318
6	0.467	0.470	0.469
8	0.609	0.616	0.613
10	0.755	0.755	0.755

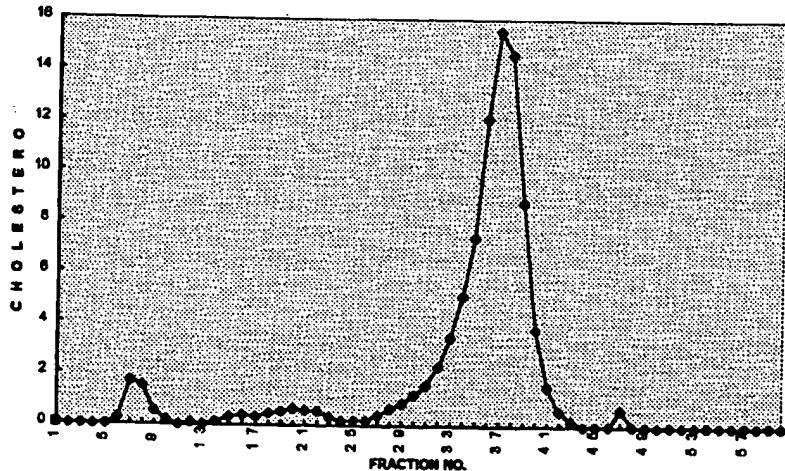
CHOLESTEROL STD CURVE

$$y = 0.0757x + 0.0063$$

R<sup>2</sup> = 0.9993



TG8 FPLC-A



Author's Signature

Murley Kipke

Date

12-30-96

Read and Understood By

TOPP R. Johnson

Date

1/6/97

Author's S

J.

Project Number  
565711  
**SEARLE**

Subject

TG8

Book Number  
**GDS - 5748**

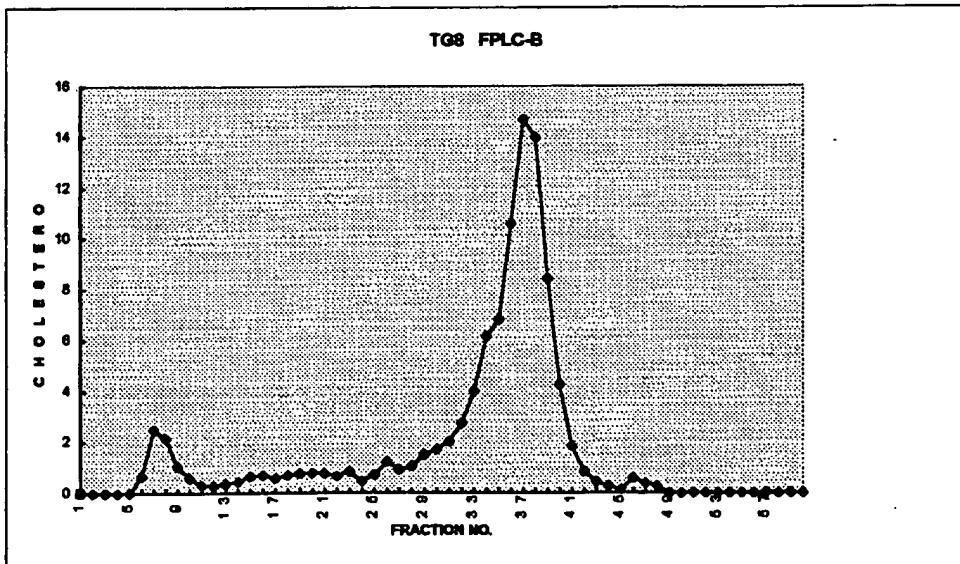
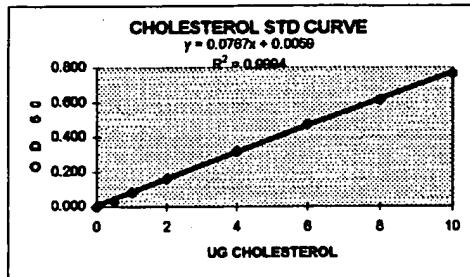
Page  
**179**

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.001	0.001	0.001	0.022	0.015	0.017	0.067	0.034	0.005	0.003	-0.012	-0.013
B	0.028	0.042	0.001	0.015	0.017	0.025	0.100	0.019	0.004	0.001	-0.012	-0.011
C	0.081	0.090	0.001	0.011	0.018	0.020	0.110	0.013	0.003	0.003	-0.012	-0.012
D	0.164	0.162	0.002	0.011	0.018	0.022	0.168	0.010	0.003	0.004	-0.011	-0.012
E	0.322	0.320	0.004	0.012	0.018	0.029	0.231	0.008	0.004	0.002	-0.011	-0.012
F	0.461	0.487	0.016	0.013	0.016	0.032	0.220	0.015	0.003	0.003	-0.011	-0.013
G	0.617	0.621	0.044	0.016	0.019	0.037	0.135	0.012	0.002	0.001	-0.012	-0.011
H	0.768	0.763	0.039	0.017	0.013	0.048	0.071	0.010	0.002	0.000	-0.012	-0.012

READ DATE:  
12/20/96  
ASSAY NAME:  
TG8 FPLC-B  
CETP-TG  
2 HOUR

CHOLESTEROL ASSAY

ug	MEAN	SD	CALC
STD	OD 1	OD 2	STD
0	0.001	0.001	0.000
0.5	0.028	0.042	0.035
1	0.081	0.080	0.086
2	0.164	0.162	0.163
4	0.322	0.320	0.321
6	0.461	0.487	0.474
8	0.617	0.618	0.617
10	0.768	0.763	0.766
		0.004	9.910



Author's Signature

Beverly Kekue

Date

12-20-96

Read and Understood By

Tom Robinson

Date

1/27/97

Book Number <b>GDS - 5748</b>	Subject	Project Number <b>565711</b>
Page <b>180</b>	<i>TG 8 4 week Tchol</i>	Project

1	2	3	4	5	6	7	8	9	10	11	12
0.002	0.002	0.193	0.193	0.210	0.211	-0.012	-0.013	-0.014	-0.014	-0.013	-0.012
0.033	0.041	0.178	0.165	0.165	0.177	-0.012	-0.012	-0.013	-0.013	-0.012	-0.012
0.081	0.086	0.002	0.003	0.215	0.219	-0.011	-0.012	-0.013	-0.013	-0.012	-0.013
0.163	0.162	0.201	0.191	0.001	0.003	-0.012	-0.011	-0.013	-0.013	-0.013	-0.013
0.308	0.311	0.195	0.186	0.248	0.247	-0.012	-0.012	-0.013	-0.013	-0.013	-0.009
0.466	0.475	0.210	0.217	0.213	0.213	-0.010	-0.012	-0.014	-0.013	-0.013	-0.012
0.606	0.619	0.201	0.185	0.001	0.002	-0.011	-0.012	-0.014	-0.013	-0.012	-0.009
0.748	0.758	0.202	0.199	0.000	0.002	-0.011	-0.012	-0.014	-0.013	-0.013	-0.009

READ DATE:

12/20/96

ASSAY NAME:

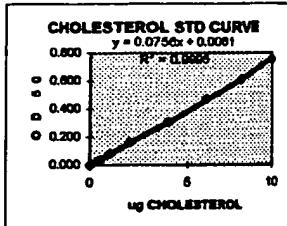
TG8 TCHOL

## CHOLESTEROL ASSAY

ug	MEAN	SD	CALC.	STD
STD	OD 1	OD 2	OD	OD
0	0.002	0.002	0.002	0.000
0.5	0.033	0.041	0.037	0.006
1	0.081	0.085	0.083	0.003
2	0.163	0.162	0.163	0.001
4	0.308	0.311	0.310	0.002
6	0.466	0.475	0.471	0.006
8	0.606	0.619	0.613	0.009
10	0.748	0.758	0.753	0.007

## SAMPLE RESULTS (DUPLICATES)

SAMP.	NO.	(ml)	OD 1	OD 2	MEAN	SD	CALC.	CALC.	DF	mg/dl	CHOL
			OD	OD	ug	ug/ml					STD
1	0.040	0.193	0.193	0.193	0.000	2.472	61.812	10.000	61.812	A1	
2	0.040	0.178	0.165	0.172	0.009	2.188	54.702	10.000	54.702	A2	
3	0.040	0.002	0.003	0.003	0.001	-0.047	-1.187	10.000		DIED	
4	0.040	0.201	0.191	0.198	0.007	2.512	82.804	10.000	82.804	A4	
5	0.040	0.195	0.186	0.191	0.006	2.439	60.985	10.000	60.985	A5	
6	0.040	0.210	0.217	0.214	0.005	2.744	68.581	10.000	68.581	A6	
7	0.040	0.201	0.186	0.198	0.004	2.539	63.486	10.000	63.486	POOL A	
8	0.040	0.202	0.199	0.201	0.002	2.572	64.292	10.000	64.292	B1	
9	0.040	0.210	0.211	0.211	0.001	2.704	67.599	10.000	67.599	B2	
10	0.040	0.165	0.177	0.171	0.008	2.181	54.537	10.000	54.537	B3	
11	0.040	0.215	0.219	0.217	0.003	2.790	69.749	10.000	69.749	B4	
12	0.040	0.001	0.003	0.002	0.001	-0.054	-1.352	10.000		NO SERUM	
13	0.040	0.248	0.247	0.248	0.001	3.193	79.835	10.000	79.835	B6	
14	0.040	0.213	0.213	0.213	0.000	2.737	68.426	10.000	68.426	POOL B	



T 8  
4 WEEK  
ALL CETP-TG

GROUP A  
1 HOUR

GROUP B  
2 HOUR

MEAN  
STDEV

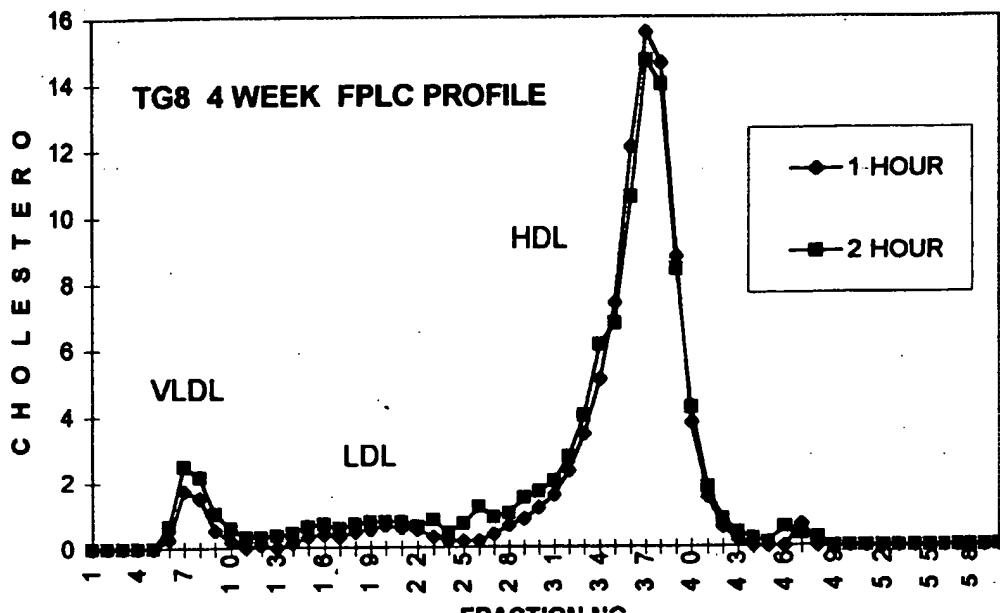
61.8	64.3
54.7	67.6
62.8	54.5
61.0	69.7
68.6	79.8
61.8	67.2
5.0	9.2

Total chol are about  
the same between  
the 2 different time  
periods.

Author's Signature <i>Brucey Kuhn</i>	Date 12-20-96	Read and Understood By <i>Bob Johnson</i>	Date 1/27/97
--	------------------	--	-----------------

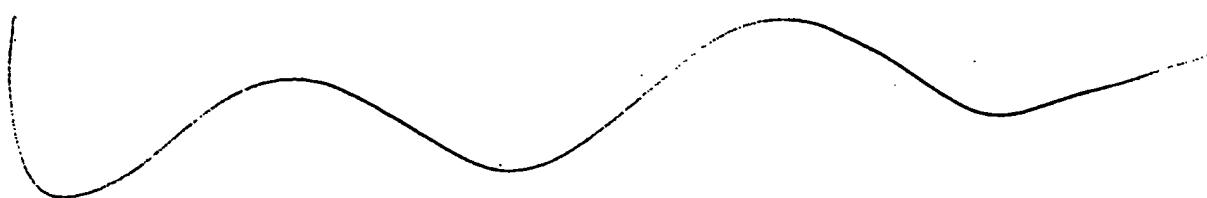
Author  
*Bob*

Project Number 565711	Subject Cmt,	Book Number GDS - 5748
<b>SEARLE</b>		Page <b>181</b>



TG8		
4 WEEK		
ALL CETP-TG		
	GROUP A	GROUP B
	CETP-TG	CETP-TG
	1 HOUR	2 HOUR
VLDL fx 5-13	4.3	7
%	5	7
LDL fx 14-29	7.1	13
%	8	13
HDL fx 30-47	79	79.9
%	87	79
<b>TOTAL ug CHOL</b>	<b>90.5</b>	<b>101.1</b>

The cholesterol profile is about the same between the two different time points



Author's Signature Dwerry Kerec	Date 12-20-96	Read and Understood By P.K. Johnson	Date 1/27/97
------------------------------------	------------------	--	-----------------

Book Number <b>GDS - 5748</b>	Subject	Project Number <b>565711</b>
Page <b>182</b>	TG 8      4 wk study	<b>SEARLE</b>

## TG8 CETP Activity/ 4 weeks on diet

fm#	TG-1 hr	TG 2 hr
	CPM	CPM
1	88.76	61.44
2	46.24	49.4
3	69.86	55.66
4	67.28	67.12
5	182.36	184.2
6	244.56	294.14
7	619.28	782.76
8	558.76	728.68
9	849.62	448.08
10	241.76	305.9
11	223.76	239.28
12	177.12	222.54
13	214.02 2761	240.78 3391
14	207.96	238.2
15	263.74	266.76
16	322.46	331.98
17	385.82	376.52
18	426.32	403.12
19	498.14	463.86
20	511.64	458.56
21	512.3	460.78
22	464.48	403.54
23	397.74	339.84
24	338.12	281.8
25	297.86	282.14
26	295.02	278.68
27	292.48	276.52
28	350.56	327.64
29	400.54 5965	372.32 5562
30	534.54	477.12
31	812.84	684.34
32	1470.56	1122.9
33	2540.02	1868.64
34	3690.64	2710.38
35	4753.26	3267.3
36	7842.72	5123.02
37	10209.7	6787.34
38	9004.54	6273.06
39	5482.58	4188.54
40	2628.62	2084.46
41	1269.58	984.26
42	668.1	522.82
43	400.68	319.08
44	234.62	195.04
45	160.8	135.06
46	107.5	90.68
47	96.62 51901	77.08 36906
48	60.86	49.82

60955      46148

3H counts from FPLC profile.

Author's Signature <i>John W. Schaefer</i>	Date 12-20-96	Read and Understood By <i>Bob Robison</i>	Date 1/27/97
---	------------------	--	-----------------

Author's

Project Number  
565711  
**SEARLE**

Subject

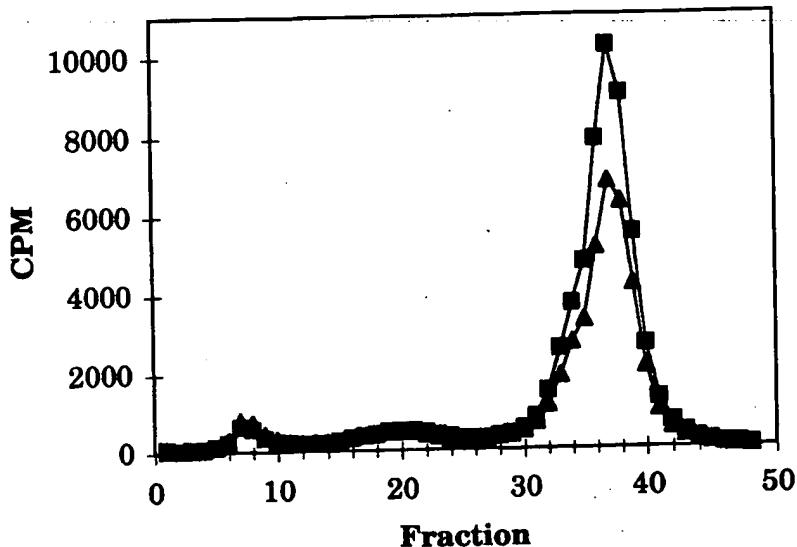
TG8 4 wk study

Book Number  
GDS - 5748

Page  
**183**

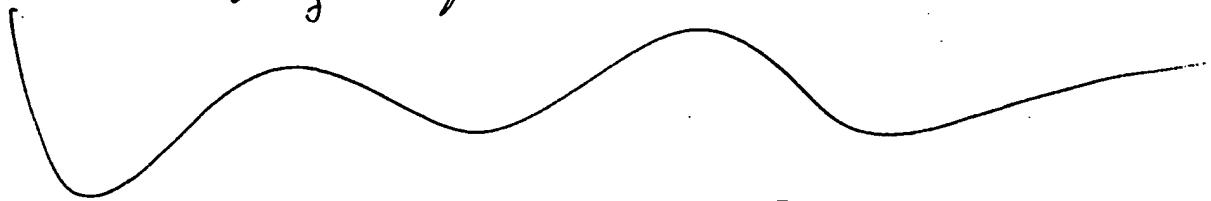
**TG8 CETP Activity/ 4 weeks on diet**

■ TG- 1 hr ▲ TG 2 hr ◆



	TG- 1 hr	TG 2 hr	
VLDL	2761	3391	0
% of total	5	7	#DIV/0!
LDL	5965	5562	0
% of total	10	12	#DIV/0!
HDL	51901	36906	0
% of total	85	80	#DIV/0!
Total	60955	46143	0
% transfer	14.82	19.40	#DIV/0!

1-10-97 We have decided to change the diet to a 1% ckal with cocoa butter to try to increase the lipids. The LSC or VLDL is not high enough to accept any CE being transferred.



Author's Signature

Beverly Kepke

Date

12-20-96

Read and Understood By

(Signature)

Date

1/27/97

Book Number  
GDS - 5748  
Page  
184

Subject

FPLC Profile on Rabbit Sera

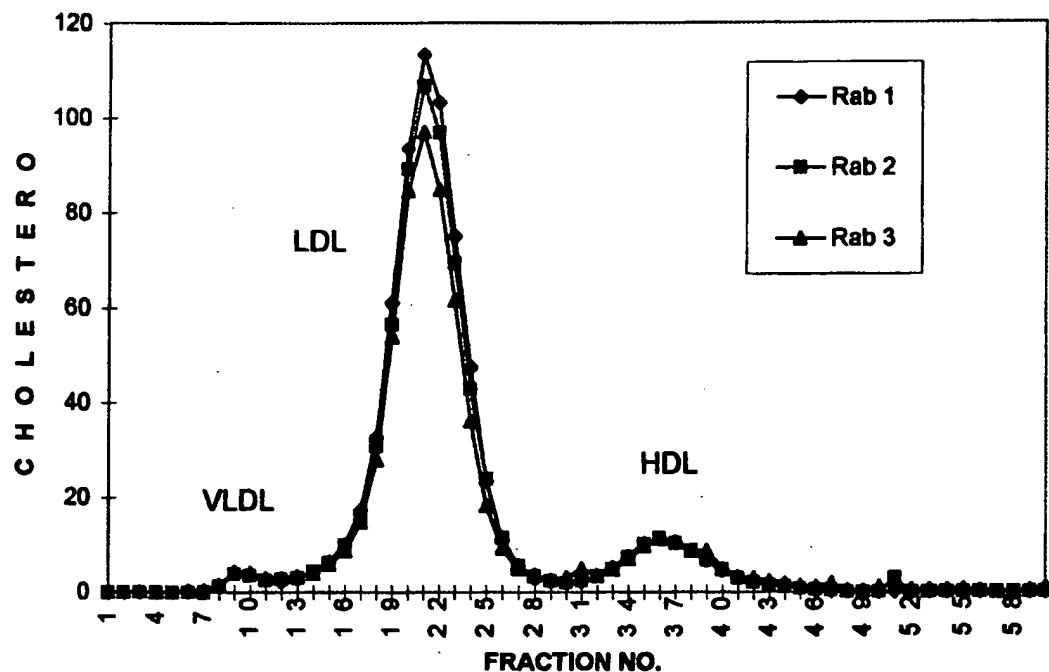
Project Number

505711  
SEARLE

Project

1-14-97 Rabbit sera (obtained from Harriet Kurlander) and lipoproteins isolated (p. 145) and stored -4°C.

Shaved and pooled 6 vials, ~2000 µl, filtered 2 µm, injected 500 µl <sup>0.01-0.1% BSA</sup> x 3 onto superose 6 x 2 FPLC.



	RAB 1	RAB 2	RAB 3
VLDL fx 5-13 µg	10.2	8.6	10.4
%	1.4	1.3	1.6
LDL fx 14-29	609.6	576	518.5
%	88	85	81.5
HDL fx 30-47	82	81.4	91.7
%	11.6	12	14.4
TOTAL COUNTS (HDL)	709.4	677.1	636.2

Author's Signature

Powers/Kerree

Date

1-14-97

Read and Understood By

E. J. Robinson

Date

1/17/97

Author's

J/E

Project Number  
565711  
SEARLE

Subject

Rab. Sera FPLC profile

Book Number

GDS - 57448

Page

185

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.001	0.001	0.001	0.034	0.111	0.148	0.039	0.027	0.003	0.002	-0.014	-0.014
B	0.035	0.039	0.003	0.030	0.204	0.073	0.053	0.020	0.003	0.005	-0.013	-0.013
C	0.084	0.087	0.002	0.023	0.374	0.041	0.070	0.017	0.003	0.003	-0.013	-0.013
D	0.162	0.164	0.003	0.021	0.569	0.025	0.075	0.018	0.003	0.003	-0.013	-0.014
E	0.324	0.306	0.003	0.025	0.688	0.021	0.071	0.012	0.003	0.005	-0.013	-0.014
F	0.459	0.482	0.003	0.033	0.627	0.019	0.060	0.010	0.003	0.002	-0.013	-0.014
G	0.577	0.636	0.011	0.046	0.458	0.021	0.048	0.009	0.008	0.002	-0.013	-0.013
H	0.755	0.752	0.017	0.068	0.292	0.029	0.035	0.007	0.003	0.003	-0.013	-0.013

READ DATE:

1/14/87

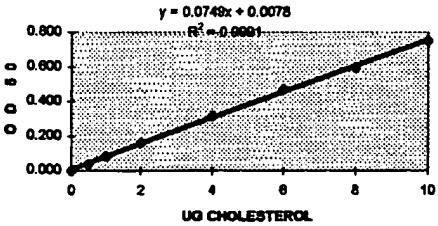
ASSAY NAME:

R Sera 1 Tchol

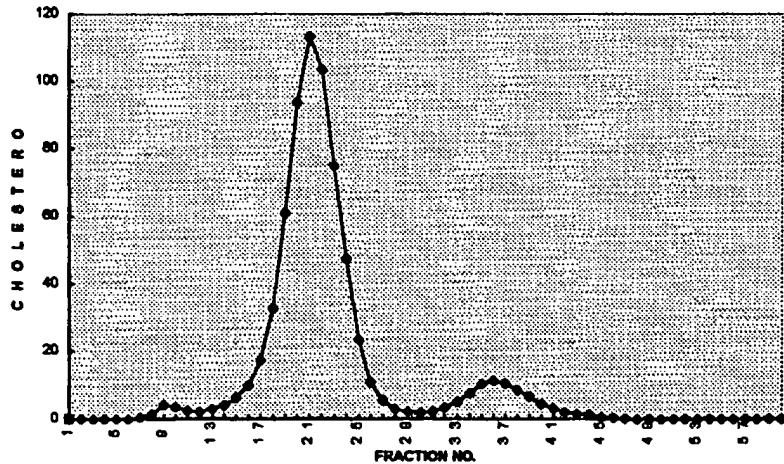
CHOLESTEROL ASSAY

ug	MEAN		SD	m	b	CALC		
	STD	OD 1	OD 2	OD	STD	STD		
0	0.001	0.001	0.001	0.000	0.0749	0.0078	#N/A	#N/A
0.5	0.035	0.039	0.037	0.003	0.0049	0.0049	#N/A	#N/A
1	0.084	0.087	0.086	0.002	0.009	0.009	#N/A	#N/A
2	0.162	0.164	0.163	0.001	0.9991	0.0092	#N/A	#N/A
4	0.324	0.306	0.315	0.013	0.9998	6.000	#N/A	#N/A
6	0.459	0.482	0.471	0.016	0.546	0.001	#N/A	#N/A
8	0.577	0.616	0.597	0.028			#N/A	#N/A
10	0.755	0.752	0.754	0.002				9.954

CHOLESTEROL STD CURVE



R Sera 1 Tchol



Author's Signature

Beverly Kepke

Date

1-14-97

Read and Understood by

Bob Kepke

Date

1/22/97

Book Number

GDS - 5748

Subject

186

Project Number

565711

Project

Rab. Sera PPLC Profile, cont

SEARLE

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.003	0.000	0.000	0.028	0.103	0.151	0.034	0.023	0.002	0.001	-0.016	-0.016
B	0.033	0.037	0.000	0.026	0.183	0.075	0.050	0.017	0.001	0.001	-0.016	-0.016
C	0.084	0.086	0.000	0.020	0.350	0.039	0.067	0.014	0.022	0.001	-0.016	-0.017
D	0.157	0.182	0.000	0.021	0.552	0.025	0.074	0.012	0.001	0.001	-0.015	-0.017
E	0.324	0.319	0.001	0.023	0.660	0.019	0.069	0.009	0.002	0.001	-0.016	-0.014
F	0.466	0.464	0.001	0.031	0.599	0.017	0.058	0.008	0.004	0.000	-0.011	-0.017
G	0.612	0.604	0.005	0.043	0.432	0.020	0.046	0.006	0.002	0.001	-0.016	-0.016
H	0.757	0.780	0.012	0.065	0.267	0.025	0.033	0.004	0.002	0.000	-0.016	-0.016

READ DATE:

1/14/97

ASSAY NAME:

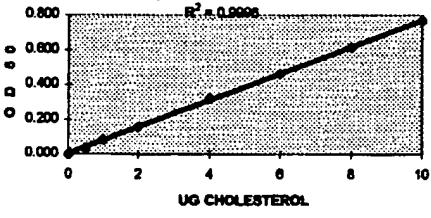
R Sera 2 Tchol

## CHOLESTEROL ASSAY

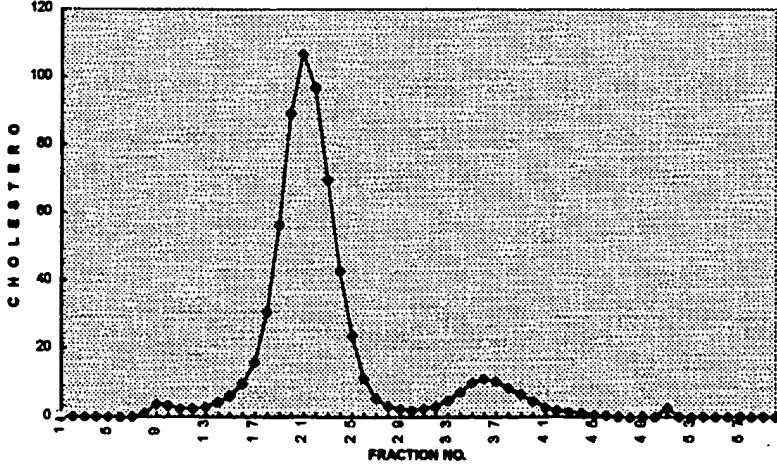
ug STD	MEAN		SD	CALC								STD
	OD 1	OD 2		OD	m	b	#N/A	#N/A	#N/A	#N/A	#N/A	0.041
0	0.003	0.000	0.002	0.002								0.397
0.5	0.033	0.037	0.035	0.003	0.0768	0.0048	#N/A	#N/A	#N/A	#N/A	#N/A	1.049
1	0.084	0.088	0.085	0.001	0.0006	0.0032	#N/A	#N/A	#N/A	#N/A	#N/A	2.022
2	0.157	0.162	0.160	0.004	0.9996	0.0060	#N/A	#N/A	#N/A	#N/A	#N/A	4.137
4	0.324	0.319	0.322	0.004	0.9996	6.000	#N/A	#N/A	#N/A	#N/A	#N/A	6.010
6	0.466	0.464	0.465	0.001	0.571	0.000	#N/A	#N/A	#N/A	#N/A	#N/A	7.955
8	0.812	0.816	0.814	0.003								9.972
10	0.757	0.780	0.769	0.016								

CHOLESTEROL STD CURVE

$y = 0.0766x + 0.0046$

 $R^2 = 0.9998$ 

R Sera 2 Tchol



Author's Signature

Barney Kekic

Date

1-14-97

Read and Understood By

F. J. Walsh

Date

1/27/99

Author

Project Number  
565711  
**SEARLE**

Subject

Cont.

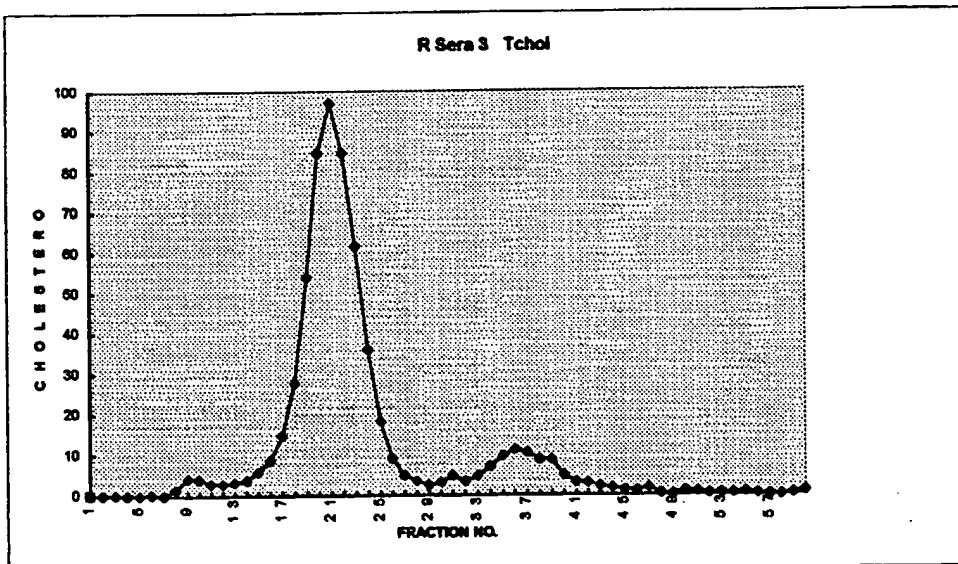
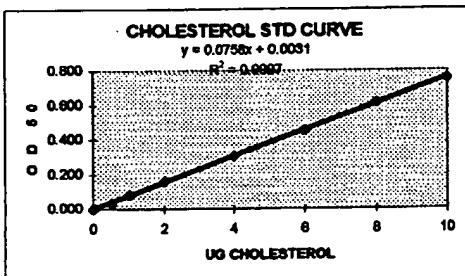
Book Number  
GDS - 5748  
Page  
**187**

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.000	0.001	-0.001	0.028	0.083	0.114	0.032	0.022	0.005	0.003	-0.015	-0.015
B	0.031	0.038	0.001	0.028	0.172	0.059	0.046	0.021	0.010	0.003	-0.014	-0.015
C	0.077	0.088	0.004	0.021	0.330	0.033	0.062	0.017	0.008	0.005	-0.014	-0.015
D	0.160	0.183	0.003	0.021	0.517	0.025	0.071	0.014	0.006	0.008	-0.013	-0.015
E	0.304	0.308	0.003	0.023	0.592	0.019	0.067	0.011	0.006	0.009	-0.012	-0.014
F	0.445	0.465	0.005	0.027	0.518	0.022	0.056	0.010	0.006	0.013	-0.013	-0.015
G	0.615	0.609	0.003	0.039	0.377	0.033	0.056	0.014	0.007	0.007	-0.013	-0.016
H	0.759	0.754	0.013	0.056	0.222	0.024	0.033	0.008	0.005	0.003	-0.013	-0.015

READ DATE:  
1/14/97  
ASSAY NAME:  
R Sera 3 Tchol

CHOLESTEROL ASSAY

ug	MEAN	SD	CALC
STD	OD 1	OD 2	STD
0	0.000	0.001	0.001
0.5	0.031	0.038	0.035
1	0.077	0.088	0.083
2	0.160	0.163	0.162
4	0.304	0.308	0.306
6	0.445	0.465	0.455
8	0.615	0.616	0.616
10	0.759	0.754	0.757



Author's Signature

Beverly Keece

Date

1-14-97

Read and Understood By

(Signature) (Signature)

Date

1/27/97

Book Number <b>GDS - 5748</b>	Subject <b>LDL 151 Cholesterol</b>	Project Number <b>505711</b>	Project
Page <b>188</b>	<b>SEARLE</b>		

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.001	0.001	0.147	0.145	0.000	0.002	-0.018	-0.018	-0.018	-0.011	-0.017	-0.017
B	0.036	0.040	0.139	0.145	0.002	0.005	-0.012	-0.010	-0.016	-0.016	-0.015	-0.017
C	0.085	0.093	0.210	0.203	0.002	0.005	-0.014	-0.013	-0.015	-0.015	-0.018	-0.018
D	0.160	0.173	0.212	0.210	0.005	0.007	-0.016	-0.014	-0.016	-0.016	-0.016	-0.017
E	0.315	0.315	0.287	0.288	-0.010	0.010	-0.011	-0.012	-0.009	-0.013	-0.018	-0.017
F	0.476	0.476	0.286	0.283	0.010	0.006	-0.016	-0.015	-0.016	-0.016	-0.015	-0.017
G	0.627	0.621	0.359	0.354	0.006	0.005	-0.012	-0.012	-0.011	-0.016	-0.016	-0.017
H	0.777	0.788	0.362	0.359	0.001	0.005	-0.015	-0.016	-0.016	-0.017	-0.016	-0.014

READ DATE:

1/20/97

ASSAY NAME:

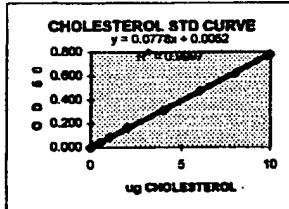
LDL151 TCHOL

## CHOLESTEROL ASSAY

ug	STD	MEAN	SD	CALC.	CALC.	DF	mg/dl
NO.	(ml)	OD 1	OD 2	OD	OD	ug/ml	CMOL
0	0.001	0.001	0.001	0.000	m	b	
0.5	0.036	0.040	0.038	0.003	0.0778	0.0052	#N/A
1	0.065	0.093	0.089	0.008	0.0005	0.0027	#N/A
2	0.160	0.173	0.167	0.009	0.0997	0.0051	#N/A
4	0.315	0.315	0.315	0.000	#####	6.000	#N/A
6	0.476	0.476	0.476	0.000	0.588	0.000	#N/A
8	0.627	0.621	0.624	0.004			
10	0.777	0.788	0.783	0.008			7.955
							9.993

## SAMPLE RESULTS (DUPLICATES)

SAMP.	NO.	(ml)	OD 1	OD 2	MEAN	SD	CALC.	CALC.	DF	mg/dl
	1	0.020	0.147	0.145	0.146	0.001	1.810	90.488	100.000	904.862
	2	0.020	0.139	0.145	0.142	0.004	1.758	87.915	100.000	879.149
	3	0.030	0.210	0.203	0.207	0.005	2.588	88.252	100.000	882.517
	4	0.030	0.212	0.210	0.211	0.001	2.645	88.180	100.000	881.802
	5	0.040	0.287	0.288	0.288	0.001	3.629	90.724	100.000	907.235
	6	0.040	0.286	0.283	0.285	0.002	3.680	89.759	100.000	897.593
	7	0.050	0.359	0.357	0.357	0.004	4.518	90.321	100.000	903.210
	8	0.050	0.362	0.359	0.361	0.002	4.567	91.350	100.000	913.495



filename : LDL151CH.XLS

89.39 mg/ml  
7.94 mg/ml

Data given to Debbie Heuttemann.

Author's Signature Perryly Kerec	Date 1-20-97	Read and Understood By Robinson	Date 1/27/99
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Author's